

de wit plastic

Product **catalogue**

Caps & Closures

www.dewitplastic.nl

About us

De Wit Plastic, founded in 1954 and based in Rucphen, The Netherlands, is the leading specialist in injection molding for high-quality caps and closures for every branch like household chemicals, personal care products and child-resistant closures for decades. We also develop and produce technical plastic products according to customer specifications.

Thanks to our 70 years of experience, high quality, fair prices, and the ability to continuously innovate, De Wit Plastic constantly develops and applies new and specialized production methods. As part of Else Groep B.V., we have approximately 60 machines ranging from 20tons to 900 tons, storage capacity, our own tool shop, a development and engineering office and an assembly department. Additionally, we offer just-in-time delivery performance.

De Wit Plastic is committed to a sustainable production process.
Our injection molding process is fast and efficient, contributing to reduced energy consumption and waste. Our professional team combines knowledge and practical experience with innovation, creativity and flexibility.



Member of
Else Groep

Caps & Closures



Our vision and mision

De Wit Plastic is part of Else Groep

Else Groep is a group of 4 independent but complementary and strengthening companies. Our mission is the development and realization of plastic injection molding products with focus on efficiency, sustainability, reliability and lean production .

Our vision is to be innovative on efficiency and sustainability with dedication to its (potential) customers.

why would you choose Else Groep!

Because we provide a full-service solution throughout the entire process from your original idea until you - completely satisfied - have the final plastic product in your hands on time, with 100% quality and efficiency. We will be your reliable and dedicated partner in every way imaginable



Sustainability, a Circular Economy

Sustainable Production is a production method that takes into account the impact on the environment, the economy and society. The goal is to make products that cause as little damage as possible to the planet and the people who live on it. In short, this means that plastic is actually very sustainable! De Wit Plastic produces sustainably and uses all possibilities from design to the logistics process. Consider:

Reduce reuse and recycle...
We are committed to this in order to move forward!

Using the right raw materials and, where possible, PCR (Post-Consumer Recycled) materials. Also for Caps & closures. Processing waste directly at the machine through a closed-loop system and many cases, using a hot runner system with insulation. Aligning the mold and machine to avoid unnecessary energy consumption is very important.
During the logistics process, we can use returnable packaging. We would be happy to explain how this process works and what it can mean for your product over a (sustainable) cup of coffee.



Member of:

IBE-BVI

Member of:

NRK

What we do regarding sustainability and our goals:

- Waste reduction up to 20% with a close loop system
- Recyclate as raw material (PCR/PIR/Mass balance/Biobased)
- Energy-efficient production process
- Recovery of production heat
- Heating spaces with residual heat
- Smart sensors on machines to monitor and limit energy consumption
- ISO 14001 environmental certificate (in progress)
- Affiliation with NRK
- Participation in the Rethink project
- Roadmap “from good to green” started





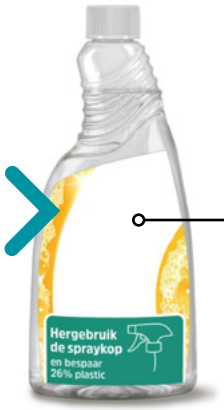
Caps & Closures

Caps & Closures

Caps & Closures are essential components in the packaging industry. They are used to seal various types of packaging, such as bottles, jars, and containers. These caps & closures ensure that the contents of the packaging remain fresh, protected from contamination, and easily accessible to the consumer, or safe for children when it comes to household chemicals or other hazardous contents. De Wit Plastic offers everything from standard solutions to custom designs, innovation, and sustainability, with a focus on environmentally friendly materials and production methods. This can include the use of PCR (post-consumer recycled) or bioplastics, as well as designing closures that are easier to recycle. And all this with the right certification under the strictest quality standards such as:

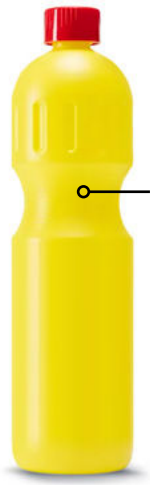
ISO 9001: International standard for quality management systems
ISO 8317: The ISO standard for child-resistant closures
UN certification: An universal system for the classification, packaging, marking, and labeling of hazardous goods. Extra requiremenst like UI certification or migration test are also a possibillity

Product Groups



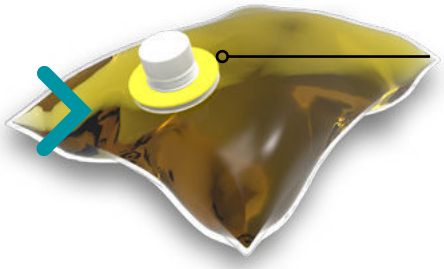
1. Standard Caps & Closures:

These are the most common and are often used for bottles and jars.



2. Child-resistant closures:

These are designed to prevent children from opening dangerous substances. They often require a special action, such as pressing and turning, to open. Available in both PE/PP and POM for higher chemical resistance. For the table, see page 36 - 37.



3. Bag-in-box closures:

These are used for packaging where a flexible inner bag is placed inside a box, often used for liquids such as wine or juice. The closure ensures that the contents can be easily poured out without letting air into the bag.



4. Venting caps:

These are specialized closures designed with a built-in ventilation mechanism to regulate pressure and prevent the buildup of hazardous gases in containers. These caps have a small vent hole that allows controlled gas exchange, minimizing the risk of leaks or explosions due to pressure buildup.



5. Custom molding:

These are all caps & closures made specifically for you.
De Wit Plastic also offers contract manufacturing and private label options.

If you need any further assistance or have more questions, feel free to ask!

1

Caps & Closures

Plastic caps & closures are used for a wide range of applications due to their versatility and ease of use. The main applications are:
• Food and Beverages • Healthcare and Pharmaceutical Products
• Cosmetics and Personal Care • Household Products
• Cleaning Products • DIY Products • Industrial Applications

De Wit Plastic offers you a choice of materials including PP and PE, with options such as a polyseal, induction seal for PET bottles and induction seal for HDPE bottles. Additionally, a rim, Tamper Evident or plug are also available options.

Innovations and Sustainability

Modern screw caps are increasingly designed with sustainability in mind. De Wit Plastic offers you a wide range of caps & closures made from Post Consumer Recycle (PCR) material and Post Industrial (PIR) material.



Standard Caps & Closures



Cap PE 28-410 with rim					
1100		rim			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	HDPE	4,1	19,5	2.200	79.200



Cap PP 28-400 without seal					
1112		rim			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	2	14	3.500	126.000



Cap PP 28-400 PP with seal					
1113A		polyseal			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	2,1	14	3.500	126.000



Cap PE 28-410 with temper evidence					
1260		rim			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	2,97	20,7	2.200	79.200



Cap PE 30mm					
1011		rim			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN30	LDPE	4,1	20	2.000	72.000

Standard Caps & Closures



Cap PE 28mm special					
1271		rim			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	HDPE	4,1	19,5	2.200	79.200



Cap PE 30mm with sealing rim					
1047		rim			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN30	LDPE	4,8	25	1.300	46.800



Cap PP 28-410 with inductionseal for PET					
1189		Inductionseal for PET			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	3	16,5	3.000	108.000



Cap PP 28-410 with inductionseal for HDPE					
1204		Inductionseal for HDPE			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	3,1	16,5	2.500	90.000



Cap PP 28-410 with Polyseal					
1203		Polyseal			
Neck Finish	**Material outside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	3,1	16,5	2.500	90.000



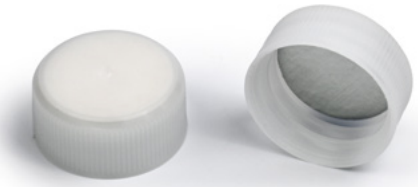
Cap PP 28-410 with Seal (Alu-PET)					
		1205	Seal Alu-PET		
Neck Finish	Material outside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	2,9	16,5	2.500	90.000



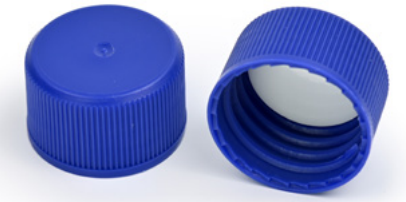
Cap PP 28-400 with polyseal					
		1273	Polyseal		
Neck Finish	Material outside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	2,1	14	3.500	126.000



Cap PP 28-400 with inductionseal for PET					
		1174	Inductionseal for PET		
Neck Finish	Material outside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	2,5	14	3.500	126.000



Cap PP 28-400 with inductionseal for HDPE					
		1177	Inductionseal for HDPE		
Neck Finish	Material outside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	2,5	14	3.500	126.000



Cap PP 30mm with inductionseal for HDPE					
		1050	Inductionseal for HDPE		
Neck Finish	Material outside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN30	PP	4,1	20	2.000	72.000

AVAILBLE IN
ALL COLOURS

If you have specific questions about the use of these closures, please contact us at sales@dewitplastic.nl or T: +31 (0) 165 34 91 34, M: +31 (0) 626 21 67 48

2

Child Resistant Closures

De Wit Plastic specializes in producing child-safe closures, which are essential for the safety of various liquids like household chemicals. These closures can certified in combination with the bottle or container. They are designed to prevent children from opening these dangerous substances.

The child-safe closures from De Wit Plastic come in various designs, such as 2- or 3-piece closures with a seal, cone, or plug. They are used for bottles containing solvents, aggressive cleaning agents, and other household chemicals. The design ensures that the closures are sturdy and do not easily break or leak during transport or storage.



2-piece child-resistant closure with cone

A 2-piece child-resistant closure with a cone is a type of closure specifically designed to prevent children from opening hazardous substances. This closure consists of two parts and includes a cone, which helps create an airtight and secure seal. The cone ensures that the closure fits well on the bottle or container, preventing leakage and keeping the contents safe.

These closures are often used for packaging household chemicals, pharmaceutical products, and other hazardous substances, especially for HDPE bottles and containers. They are designed to be difficult for children to open but easy for adults to use. This is often achieved through a mechanism that requires a special action, such as pressing and turning, to open the closure.

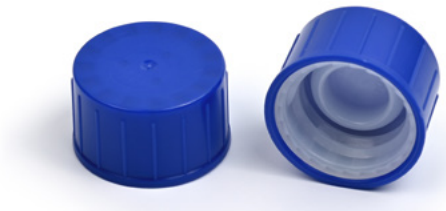
This closure can be certified in combination with the bottle.



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2-piece child-resistant closure with cone



CRC 2-part PE 28-410						
1094		cone				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE	7,1	21,5	1.500	54.000



CRC 2-part PE Softline 28-410						
1078		cone				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE	7,1	21,7	1.500	54.000



CRC 2-part PE 28-410 special						
1270		cone				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE	6,26	21,5	1.500	54.000



CRC 2-part PE 30-410						
1063		cone				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE	6,8	21,5	1.500	54.000

Child-resistant closure, 3-piece, made of POM material

A child-resistant closure made of POM (Polyoxymethylene) material is a type of closure specifically designed to prevent children from opening hazardous substances. POM is a strong, rigid and chemically resistant thermoplastic material, making it ideal for applications where durability and safety are crucial.

These closures consist of three parts and often include a polyseal, induction seal, or a plug for dispensing liquid, with or without a flame stopper. A tamper-evident feature is also possible.

Child-resistant closures made of POM are often used for packaging household chemicals, pharmaceutical products and other hazardous substances. They offer a high degree of chemical resistance, which is important for the safe storage of aggressive chemicals.



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Child-resistant closure, 3-piece, made of POM material



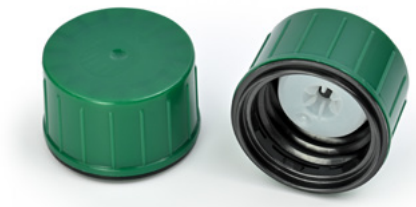
CRC 3-part POM 28-410						
1155		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	9,2	21,5	1.000	54.000



CRC 3-part POM softline 28-410						
1125		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	9,5	21,7	1.000	54.000



CRC 3-part POM with Flamestopper 28-410						
1160		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	9,5	21,6	1.000	54.000



CRC 3-part POM with temper evidence 28-410						
1199		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	10,2	21,5	800	43.200



CRC 3-Part POM with temper evidence and flamestopper 28-410						
1231		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	10,8	21,5	800	43.200



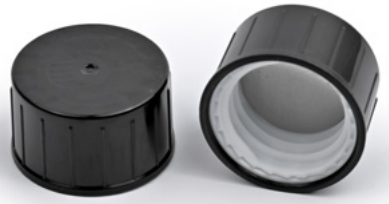
CRC 3-part POM with flamestopper 28-420						
1166		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	10,3	32,8	1.100	39.600



CRC 3-part POM wit induction seal 28-410						
1179		inductionseal for HDPE				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM	7,8	21,5	1.000	54.000



CRC 3-part POM with polyseal 28-410						
1181		Polyseal				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	7,8	21,5	1.000	54.000



CRC 3-part POM with Seal (Alu-Pet) 28-410						
1137		Seal (Alu Pet)				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	POM+HDPE	7,6	21,5	1.000	54.000

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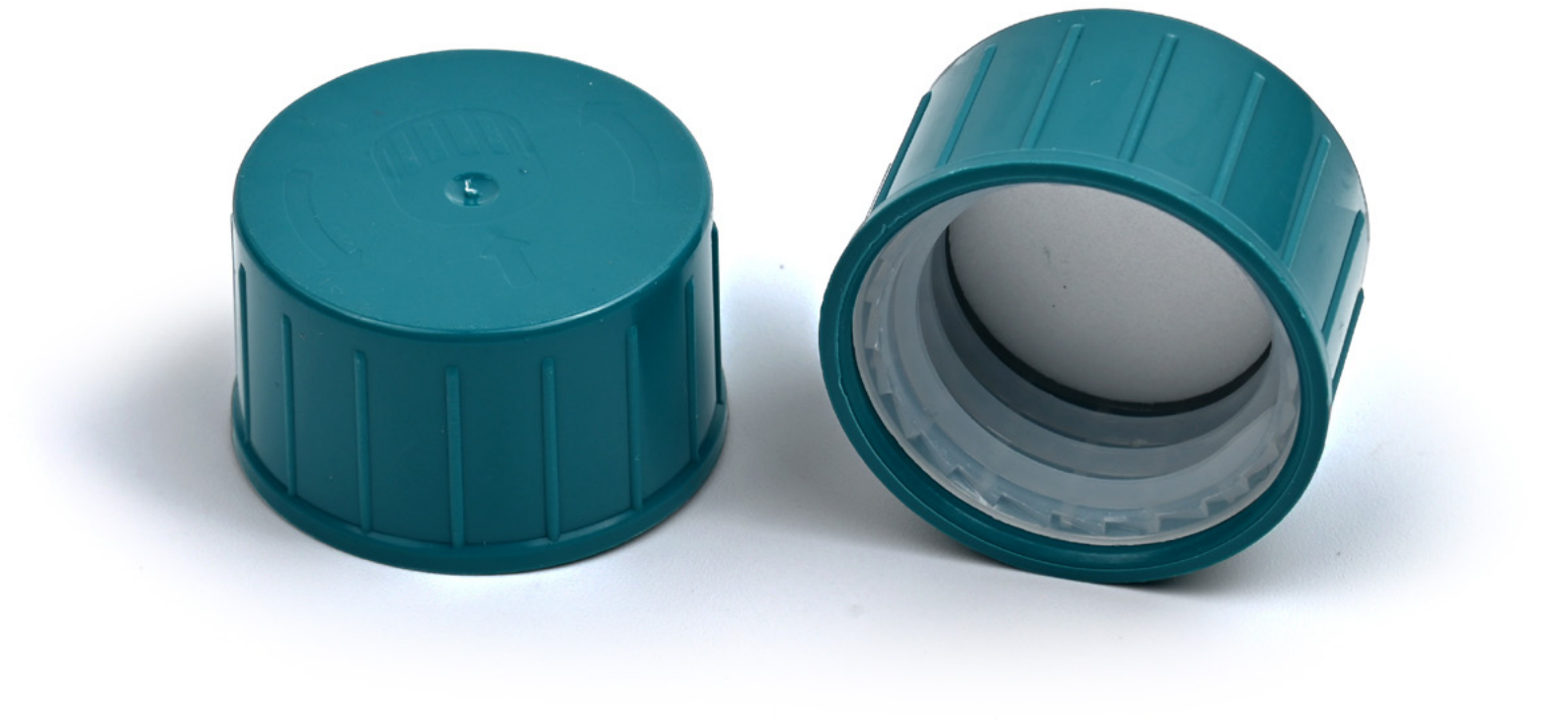


3-piece Child-resistant Closure made of PE Material

A 3-piece child-resistant closure made of PE (Polyethylene) material is a type of closure specifically designed to prevent children from opening hazardous substances. PE is a versatile and chemically resistant material, making it ideal for applications where safety and durability are important.

These closures consist of three parts and often include a polyseal, induction seal, or a plug for dispensing liquid, with or without a flame stopper. A tamper-evident feature is also possible.

Child-resistant closures made of PE are often used for packaging household chemicals, pharmaceutical products and other hazardous substances. They offer a high degree of chemical resistance, which is important for the safe storage of aggressive chemicals.



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3-piece Child-resistant Closure made of PE Material



CRC 3 part PE Softline 28-410						
1079		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE+LDPE	8,3	21,7	1.500	54.000



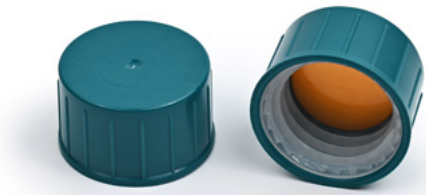
CRC 3-part PE 28-410						
1159		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE+LDPE	7,6	21,5	1.500	54.000



CRC 3-part PE softline 28-410						
1121		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE+LDPE	7,9	21,7	1.500	54.000



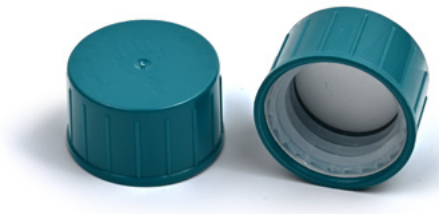
CRC 3-part PE softline with flamestopper 28-410						
1079		plug				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE+LDPE	8,4	21,7	1.500	54.000



CRC 3-part PE with inductionseal PET 28-410						
1141		Inductionseal for PET				
Neck Finish	Material outside	material inside	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	PP	HDPE	6	21,5	1.500	54.000



CRC 3-part PE with inductionseal HDPE 28-410						
1182	Inductionseal for HDPE					
Neck Finish	**Material outside**	**material inside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	HDPE	6,3	21,5	1.500	54.000



CRC 3-part PE with polyseal 28-410						
1183	Polyseal					
Neck Finish	**Material outside**	**material inside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	HDPE	6,3	21,5	1.500	54.000



CRC 3 part PE 28-410						
1206	Seal Poly-PET					
Neck Finish	**Material outside**	**material inside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN28	PP	HDPE	6,1	21,5	1.500	54.000



CRC 3-part PE with inductionseal for HDPE 30-410						
1186	Inductionseal for HDPE					
Neck Finish	**Material outside**	**material inside**	**weight/gr.**	**height /mm**	**pcs/box**	**pcs/Pallet**
DIN30	PP	HDPE	6,6	21,5	1.500	54.000

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3

Bag in Box

De Wit Plastic is a leading company focused on innovative and sustainable packaging solutions. One of their specialties is producing high-quality closures for bag-in-box packaging.

These closures are designed to keep the contents of the bag-in-box safe and fresh. A bag-in-box (BIB) is an innovative packaging and solution primarily used for storing and serving liquids such as wine, juice, and even olive oil. It is also used in wholesale for products such as frying oils and other bulk items. The packaging consists of a flexible vacuum-sealed bag usually placed inside a sturdy cardboard box.



Item Bag in Box

R8-001+1260 Bag in Box with temper evident			
R8-002			
Material outside	weight/gr.	pcs/box	pcs/Pallet
PP/PE	9	900	32400

R8-001





1260

Here are some features and benefits of the bag-in-box:

Longer Shelf Life: The vacuum-sealed bag prevents air from reaching the contents, significantly extending the shelf life of the liquid after opening.
Sustainability: The production and transportation of bag-in-box packaging emit less CO2 compared to traditional glass bottles. Additionally, the packaging is lighter and unbreakable.
Convenience: The bag-in-box is ideal for carrying or transporting.
Cost-Effective: The contents in a bag-in-box are often cheaper than the same amount in bottles. This is because the packaging costs less and there are lower transportation costs.
Airtight: De Wit Plastic closures ensure that no air can reach the contents, significantly extending the shelf life of products like wine.
User-Friendly: The closures are easy to operate.
Reliable: The closures are designed to be leak-proof, ensuring safe and hygienic storage of the contents.

With these innovative closures, De Wit Plastic plays a crucial role in enhancing the functionality and sustainability of bag-in-box packaging, making them a popular choice for both producers and consumers.

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4

Venting Cap

One of our specialized products is the venting cap, an essential component for various industrial applications.

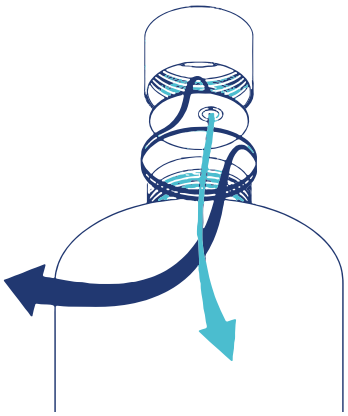
The venting cap from De Wit Plastic is designed to allow air or gases to escape from bottles or containers while preventing the ingress of liquids or other unwanted substances.



Item Venting CRC

These caps offer the following benefits:

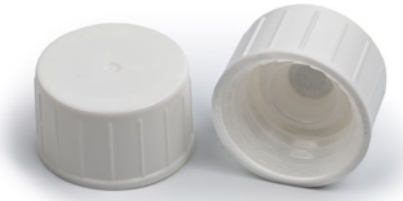
Air Permeability: The venting caps feature an advanced ventilation system that ensures controlled air or gas release, preventing pressure buildup in the container.
Prevention of Vacuum Formation: These caps help prevent vacuum formation in tanks or containers, which is essential for the optimal functioning of the system.
Protection Against Contamination: The venting caps are designed to prevent liquids, dust, or other contaminants from entering the container, keeping the contents clean and safe.
Durability and Reliability: Made from high-quality materials, De Wit Plastic venting caps offer long-lasting performance and reliability under various conditions.
Applications: These venting caps are widely used in bottles, containers, and other systems where pressure regulation and protection against contamination are crucial.



With these innovative venting caps, De Wit Plastic plays a crucial role in enhancing the functionality and safety of various industrial packaging systems, making us a reliable choice for producers worldwide.



Cap PP 30mm with venting seal					
		1278	fleece vent seal		
Neck Finish	Material	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN30	PP	4,17	20	2.000	72.000



CRC 3-part PE 28-410 with venting membrane					
		1280	Cone with membrane		
Neck Finish	Material	weight/gr.	height /mm	pcs/box	pcs/Pallet
DIN28	HDPE	7,1	21,5	1.500	54.000

AVAILBLE IN ALL COLOURS

Inquire about the options to ensure you use the correct seal or membrane. If you have specific questions about the use of these closures, please contact us at sales@dewitplastic.nl or T: +31 (0) 165 34 91 34, M: +31 (0) 626 21 67 48



5

Custom Molding of Caps & Closures

De Wit Plastic offers extensive capabilities for designing, developing, and producing custom-made caps and closures.

Custom molding

Here are some features and benefits of our services:

Innovative Design: The team at De Wit Plastic combines expertise with creativity to create unique and functional designs that perfectly meet the customer's needs. Your choice of mold and the associated product price are also part of our service.
High-Quality Materials: For the production of caps and closures, we use only the best materials, resulting in durable and reliable products.
Production Flexibility: Thanks to our advanced injection molding technologies, we can quickly switch between different production series and make adjustments based on customer feedback.
Sustainability: Wit Plastic strives for environmentally friendly production processes and materials, making the products not only functional but also sustainable.
Applications: The custom-made caps and closures are used in all possible industries. With our expertise in custom molding, De Wit Plastic plays a crucial role in delivering high-quality and custom-made packaging solutions that meet the highest standards of quality and sustainability.







Do you have specific needs or a project in mind for which you need more information?
Please contact us at sales@dewitplastic.nl or
T: +31 (0) 165 34 91 34, M: +31 (0) 626 21 67 48



Color

Color and Finish

At De Wit Plastic, we understand that the aesthetics of packaging are just as important as functionality. That's why we offer a wide range of color options and finishes for our caps and closures, ensuring your packaging perfectly aligns with your brand identity and product line. Every desired colour with a minimum quantity of one pallet is possible

Striking or modest white...
We make it all!

Color Options: We offer an extensive selection of standard colors, including classic white, black, red and blue. These colors are ideal for a timeless and professional look. For a more personalized approach, we can produce caps and closures in any Pantone or RAL color. This ensures your packaging has the exact shade that matches your brand.
For a modern and stylish look, we also offer transparent and semi-transparent colors. For a luxurious appearance, we can produce caps and closures in metallic colors such as gold, silver and bronze. These finishes give your product a premium feel.

Finishes: A glossy finish gives your caps and closures a shiny and reflective look, providing a premium appearance. For a more subdued and modern look, we offer matte finishes. These are popular for high-end products and provide a soft, non-reflective appearance.

Softline: This finish offers a luxurious feel and a comfortable grip, ideal for products that are frequently handled.
We can also produce caps and closures with various textures, such as ribbed or patterned, for extra grip and a unique look.

With these extensive color and finish options, De Wit Plastic plays a crucial role in creating packaging that is not only functional but also visually appealing and perfectly tailored to your brand. Whether you're looking for a classic look or something unique and eye-catching, De Wit Plastic is your go-to source.

Do you have specific color or finish requirements for your project? Please contact us to discuss the possibilities!





Development & Quality

Development

At De Wit Plastic, product development begins with a deep understanding of customer needs and market trends. The company works closely with clients to design custom solutions that perfectly meet their specific requirements. This process includes concept and design, where experienced engineers and designers combine their expertise and creativity to create innovative and functional designs. Prototypes are then created and extensively tested to ensure they meet the highest quality standards. De Wit Plastic also possesses advanced knowledge in mold construction, which is essential for the injection molding process.

Quality

Quality is key to all De Wit Plastic activities. The company implements strict quality controls and procedures to ensure that every product meets the highest standards. Only the best materials are used for the production of caps and closures, resulting in durable and reliable products.
Utilizing the latest injection molding technologies, De Wit Plastic can deliver products of consistent and high quality. Throughout the entire production process, rigorous quality checks are conducted to ensure that each product meets customer specifications and expectations.

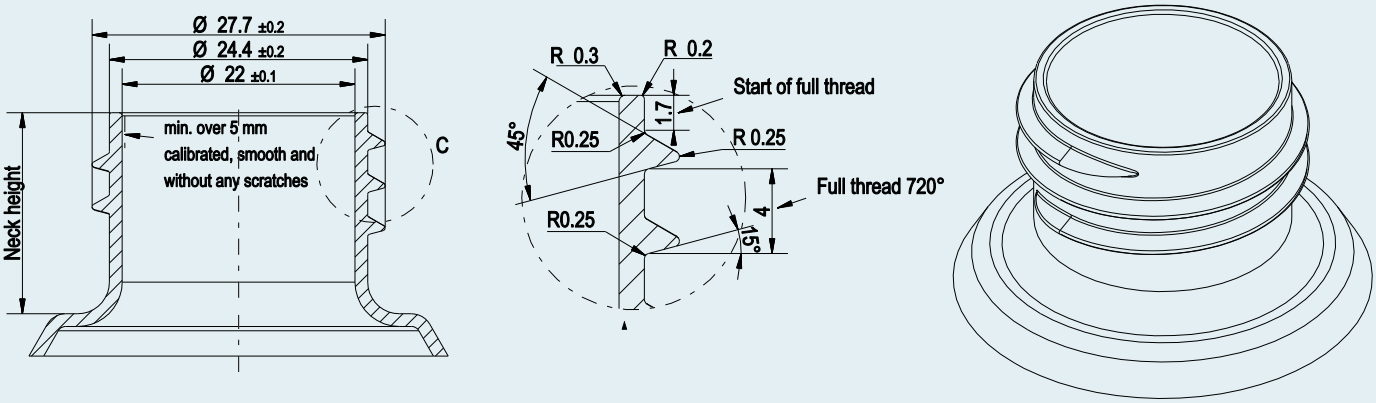
We continue to innovate and increase quality... This way we can continue in the future!

Thanks to our commitment to innovation and quality, De Wit Plastic plays a crucial role in delivering high-quality plastic products that meet the highest industry standards.

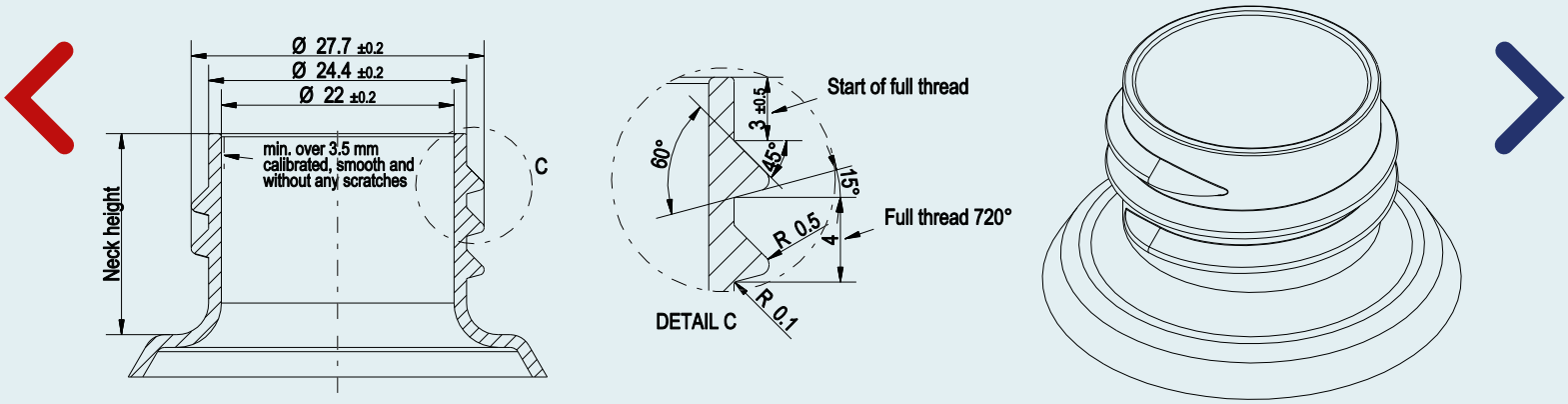


Recommended neck finish

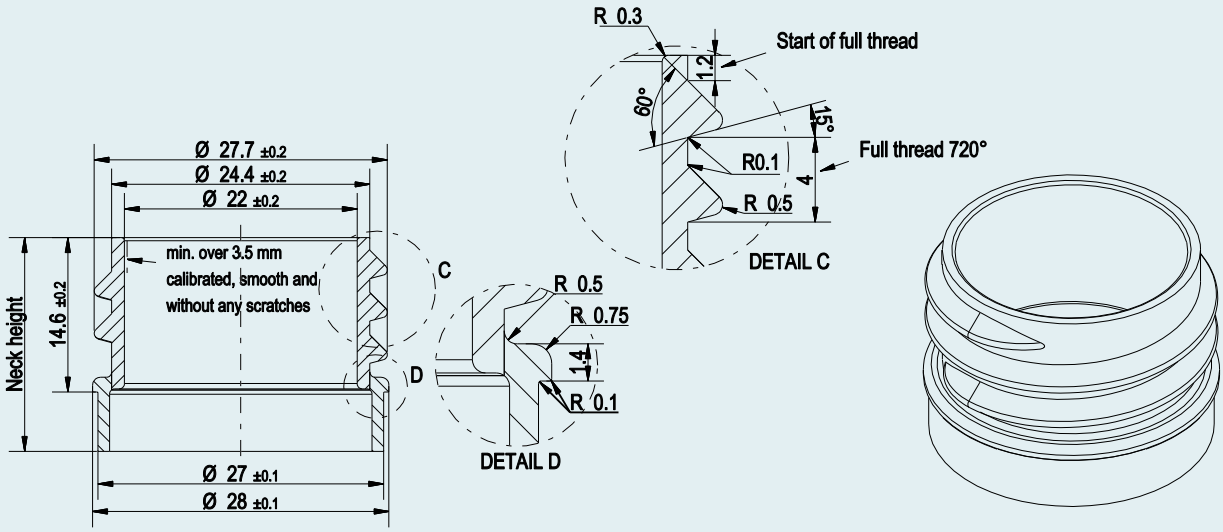
Datasheets of Caps & Closures on request



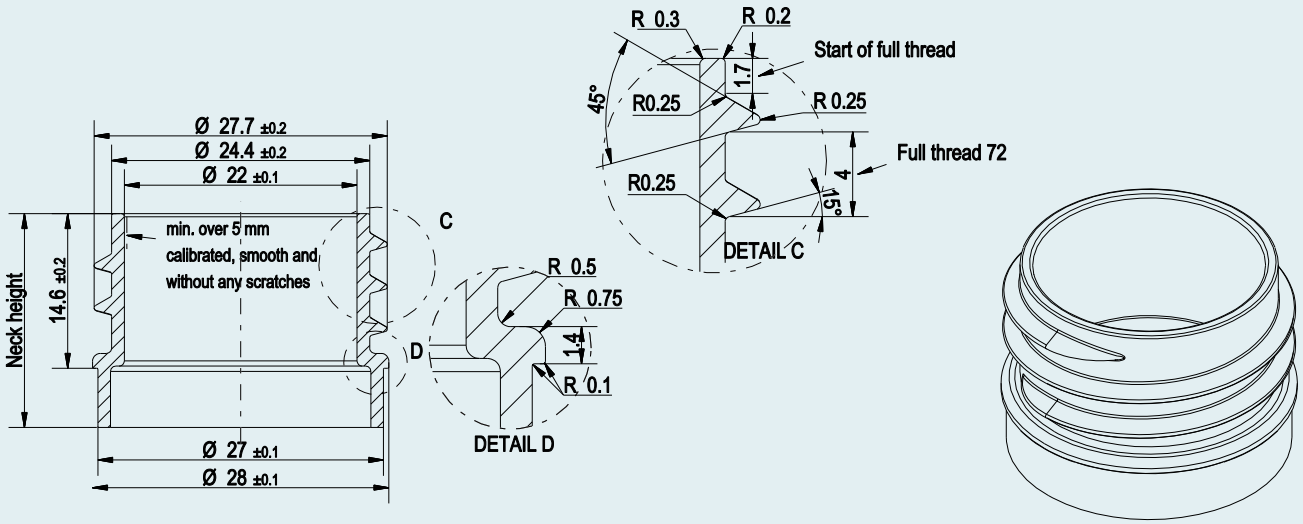
Neck finish DIN 28 PET



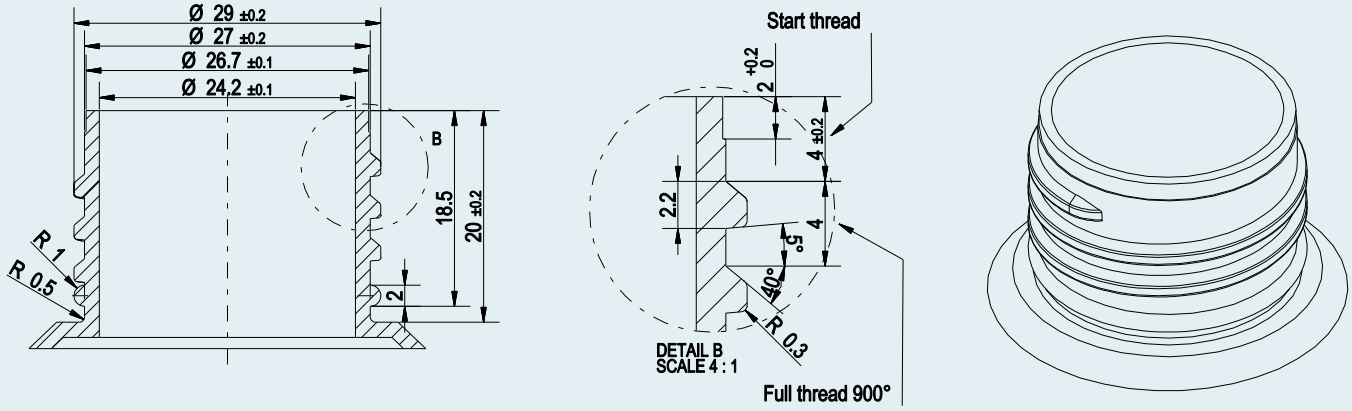
Neck finish DIN 28 HDPE



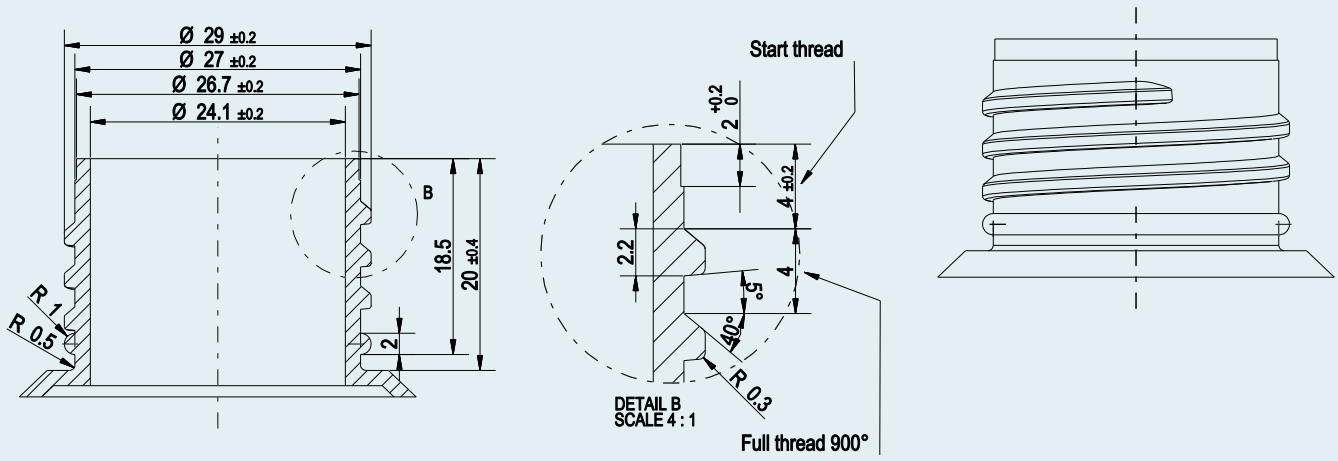
Neck finish DIN 28 HDPE temper evident



Neck finish DIN 28 PET temper evident



Neck finish DIN30 PET



Neck finish DIN30 HDPE

Chemical resistant chart (at 20°C)

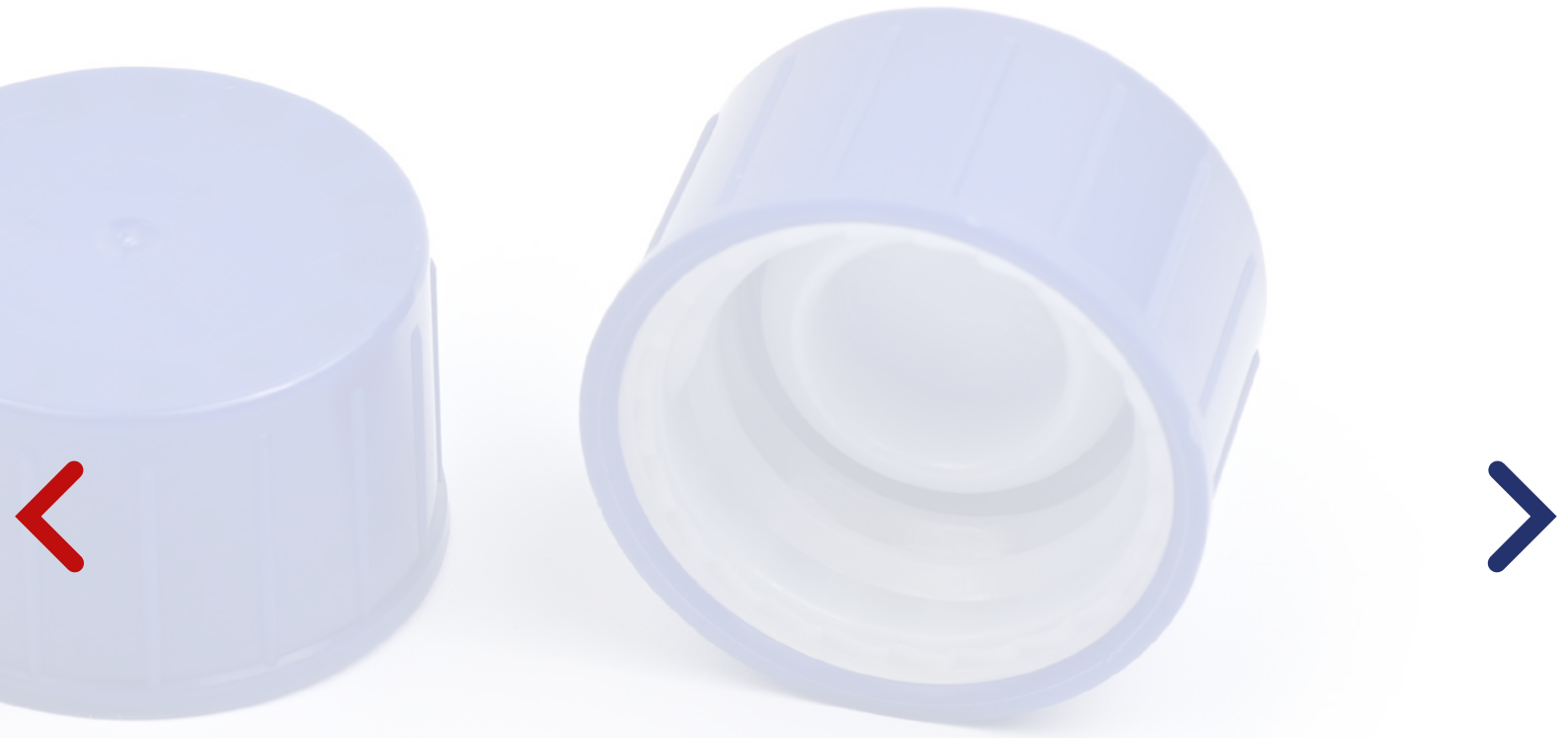
x = not file
o = moderate resistance
• = resistance

			1094	
			1078	
			1270	
			1063	1112
			1155	1113A
			1125	1260
			1199	1189
			1166	1204
			1141	1203
		1160	1182	1205
		1231	1183	1273
		1079	1206	1174
		1159	1186	1177
		1121	1100	1050
	1179	1195	1271	1278
	1181	1011	1280	1290
	1137	1047	R8-002	1291
ISO abbreviations	POM	LDPE	HDPE	PP
Substance name	Polyoxy-methyleen	Polyethy-leen-200	Polyethy-leen-1000	Polypr-pyleen
acetaldehyde 40%	•	•		
acetaldehyde 100%	o	•		
acetone 100%	•	•		•
acrylonitrile	•	•		•
adipic acid				
allyl alcohol		•		
alum		•		
aluminum chloride	•	•		
aluminum sulfate	•			•
ammonia	o	•		
ammonia gas	o	•		•
ammonium chloride	o		•	
ammonia water	o	•		•
ammonium fluoride		•		•
ammonium chloride	•	•		•
ammonium nitrate		•	•	•
ammonium sulphate				•
ammonium sulfide				
amyl acetate		•		
aniline	x	•	•	•
antimony chloride		•		•
arsenic acid				
acetic acid 100%	o		•	•
acetic anhydride		•		•
benzaldehyde	•	•		
petrol	•	•	•	o
benzene	o	o		o
benzoic acid	•	•		•
benzyl alcohol	o	•	o	•
boric acid	•	•		•
borax		•		•
butyric acid 20%	•	•		
bromine (liquid)		x		
butane				
butanediol		•		x
butadiene		x		
butanol	•			•
butyl acetate	o			
calcium chloride (aqueous)	o	•	•	•

ISO abbreviations	POM	LDPE	HDPE	PP
calcium nitrate 50%		•		
chlorine (gaseous)	x	x		o
chlorine (liquid)	x	x		x
chlorobenzol	o	o		•
chloroacetic acid		•	o	•
chloroethanol		•		•
chlorosulfonic acid	x			x
hydrogen chloride gas	x	•		
chloroform	•	o		o
chrome alum		•		•
chromic acid 80%	x	•		•
citric acid	x	•		•
cresol		•		•
cyanide		•		•
cyclohexane		•	•	
cyclohexanol	•	•	•	•
cyclohexanone	•	•		•
dextrin				
dibutyl phthalate	•			
dichloroethylene		x	x	
diesel oil 100%	•	•	•	
diethyl ether				
diglycolic acid 30%		•		•
dimethylamine		•		•
dioxane	•	•		o
grape sugar		•		•
ethyl acetate	•			
ethyl ether	•			•
ethyl alcohol	•			•
ethylene chloride	•	o		
fluor	x	x		x
hydrogen fluoride		•		•
hydrofluoric acid 70%		•		x
formalin	•	•		•
formaldehyde 40%	•	•		•
phosphorus pentoxide		•		•
freon II	•			
phosphoric acid 50%	x			
photo fixing sheets	•	•	•	•
photo developer	•	•	•	•
yeast		•		•
glucose		•		•
glycerin	•	•	•	•
glycol (concentrated)	•	•		•
glycolic acid 55%		•		
isopropanol	•	•		•
isopropyl alcohol	•	•	•	•
isopropyl ether		•	o	•
iodine tincture	o	•	•	•
potassium hydroxide solution	x	•	•	•
potassium dichromate	o	•	•	•
potassium bromate		•		•
potassium bromide	o	•		•
potassium carbonate		•		•
potassium chloride		•		•
potassium chromate		•		•
potassium cyanide (aqueous)	•	•		•

ISO abbreviations	POM	LDPE	HDPE	PP
potassium nitrate	o	•		•
potassium hydroxide 50%				•
potassium perchlorate				
potassium permanganate		•	•	•
potassium persulfate	•	•		•
camphor		•		•
camphor oil		•		
table salt (see sodium chloride	•	•	•	•
silicic acid		•		•
carbonic acid		•		•
aqua regia		x		x
copper chloride		•		•
copper fluoride		•		•
copper sulphate	•	•		•
mercury		•		•
linseed oil		•		•
magnesium chloride	o	•		•
magnesium sulfate		•		•
malic acid		•		•
molasses		•		•
lactic acid 10%	o	•		•
lactic acid 90%	x	•		•
methyl ethyl ketone	•	•	•	
methyl alcohol	•	•	•	•
methylamine				•
methylcyclohexanol		•		•
methylene chloride		o		o
methyl glycol		•		•
formic acid 10%	x	•	•	•
formic acid 30%	x			
naphtha		•		•
sodium carbonate	•	•	•	•
naphthalene	•	•		•
sodium chlorate	•			
sodium benzoate		•		•
sodium chlorite		•		•
sodium chloride	•	•	•	•
sodium hydrosulfite				
sodium hydroxide 30%		•		•
sodium hydroxide 5%	x	•		•
sodium hydroxide 50%		•	•	•
sodium hypochlorite (bleaching solution)	x	•		•
sodium nitrate	•	•		•
nicotine				
sodium sulfide		•		•
nickel sulphate		•		•
sodium thiosulfate	•	•		•
nitroglycerin				
nitrous fumes		o		o
nitro glycol			•	
nitrobenzene	o	o		o
oleum	x	x	x	x
oil engine	•	•	•	•
oils essential		o		o
oils vegetable		•	•	•
oils mineral	•	•	•	•
oils animal		•	•	•
oleic acid		•		•
oxalic acid 50% (aqueous)	o	•		•

ISO abbreviations	POM	LDPE	HDPE	PP
ozone	x	o	o	o
paraffin oil	•	•		•
perchloric acid 20%		•		•
perchloric acid 50%		•		•
perchloric acid 70%		•		
petroleum	•	•	•	•
petroleum ether		•	•	•
phenol 5%	x	•	o	•
phthalic acid	o	•		•
propanoic acid 50%		•		•
propane liquid		x		•
propanoic acid 100%		•		•
propane gas form		o		•
pyridine		•	•	o
nitric acid < 10%	x	•	•	•
nitric acid > 70%	x	x	x	x
silicone oil	•	•		•
stearic acid		•		o
talk	•	•		•
turpentine		•	o	x
turpentine oil		o		x
tetrachloroethylene		o		o
carbon tetrachloride	o	x	o	x
tetrahydrofuran	o	o	o	x
thionychloride		x		x
toluene		o	o	o
transformer oil		•		•
trichloroethylene		o		o
triethanolamine	x	•		•
urea < 20%	•	•		•
urine	•	•	•	•
Vaseline	•	o	o	•
fatty acids		•		o
vinyl acetate 100%				
water	•	•	•	•
hydrogen				
hydrogen peroxide 30%	x	•		•
hydrogen peroxide 70%	x	•		•
tartaric acid		•		•
tartaric acid solution	•	•		•
xylene	•	o	o	x
glacial acetic acid	o	•	•	•
iron chloride	o	•	•	•
concentrated soap solution	•	•	•	•
seawater	•	•	•	•
silver nitrate		•		•
zinc chloride		•	•	•
zinc sulphate		•		•
hydrochloric acid 30%	x	•	•	•
sulfur dioxide dry		•		•
sulfur dioxide moist		•		•
carbon disulphide	•	o	o	•
sodium sulphide		•		•
hydrogen sulfide (dry)		•		•
hydrogen sulfide (aqueous)	x	•		x
sulfuric acid 10%	x	•	•	•
sulfuric acid 50%	x	•	o	•
sulfuric acid 98%		o		o



Colofon

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Product catalogue

Caps & Closures

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