

P 300
N B R

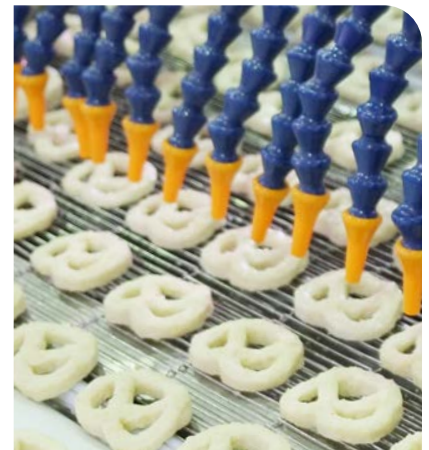


SEAL TECHNOLOGY
PREMIUM-QUALITY SINCE 1867

P 300 – Certified reliability for the food industry

An ideal combination: The material P 300 combines the good mechanical properties of NBR with the important FDA 21. CFR 177.2600 and 3-A Sanitary Standard 18-03, Class 2 approvals. At the same time, the new compound demonstrates a high level of resistance to oils and fats, and meets the requirements of Regulation (EC) No. 1935/2004. Furthermore, the NBR material is guaranteed free of all animal-derived ingredients (ADI-free) and therefore meets EU and FDA recommendations for seals that come into contact with foodstuffs.

With its versatile characteristics, COG's development is suited for use in various applications in the food industry. P 300 therefore scores highly with its good abrasion resistance, particularly in system components that are exposed to intensive material stress. This also means it can be used in dynamic applications.



P 300 at a glance

- Versatile NBR material with good mechanical properties
- Certified to FDA 21. CFR 177.2600 and 3-A Sanitary Standard 18-03, Class 2
- Complies with Regulation (EC) No. 1935/2004
- Good physical properties, including among others high abrasion resistance and stability
- Good resistance to oils and fats
- ADI free – Manufactured without animal-derived ingredients

The direct line
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The NBR all-rounder for versatile use

The advantages of this newly developed material P 300 lie in its good physical properties, such as for example high abrasion resistance and stability. In combination with its resistance to diluted acids and alkalis, the NBR compound demonstrates solid resistance for a wide range of applications, especially in sectors with demanding material requirements. Together with the important sector approvals FDA and 3-A-Sanitary Standard 18-03, it is therefore ideal for a wide range of uses in the food technology sector, such as for example in the beverage production, milk and meat processing industries, ice cream production or cooking oil production.



Data-Sheet

COG-No.:	P 300
Basic elastomere:	Nitrile rubber (NBR)
Colour:	black
Temperature range (air):	from -20 °C to +120 °C
Approvals / Certifications:	FDA 21. CFR 177.2600, 3-A-Sanitary Standard 18-03, Class 2

Rubber technology data

Properties	Unit	Specimen	
		Value	Testing methods
Hardness	ShoreA	70±5	DIN ISO 7619-1
Hardness	°IRHD, CM	70±5	DIN ISO 48
Tensile strength	MPa	> 19	DIN 53 504
Elongation	%	> 550	DIN 53 504
Compression set (24h/100 °C)	%	< 25	DIN ISO 815

The indicated values do not replace the official data sheet. They are not binding and exclude all liability for damage of any kind.

APPROVALS/CERTIFICATIONS

- FDA 21. CFR 177.2600
- 3-A Sanitary Standard 18-03, Class 2
- Complies with Regulation (EC) No. 1935/2004

