



optibelt ELASTOMIT-NBR 1807A

Technical elastomer sheeting

03/2017



similar figure

PRODUCT SPECIFICATION		NOTE
Polymeric base	Nitrile-Butadiene-Rubber (NBR)	
Colour	black	
Thickness / Range	0.30 mm - 2.00 mm	
Hardness	55 ± 5 Shore A	in accordance with DIN 53505
Specific weight	1.18 ± 0.02 g/cm ³	in accordance with DIN 53479
Tensile strength (min.)	10.0 N/mm ²	in accordance with DIN 53504
Elongation (min.)	600 %	in accordance with DIN 53504
Temperature resistance	- 35°C up to + 120°C	

SPECIFIC TESTS		
Compression set	31%	in reference to ISO 815 (25 % compression, 22h, 70°C)
Ageing (hardness/tensile strength/elongation)	-1 Shore A / +2 % / -8 %	in reference to DIN 53508 (70h, 70°C)
Oil resistance (hardness/volume)	-5 Shore A / +2 %	in reference to DIN ISO 1817 (70h, 70°C, Medium IRM 903)

ADDITIONAL INFORMATION	
Version A	This Design is a calandered high-grade Auma good vulcanised by the OPTIBELT rotational process.
Construction	One-sided glossy and one-sided matt surfaces. Both sides are powdered. Optional available with fabric lining in the center (starting from a thickness of 0.8 mm), with one-sided or both-sided fabric, as well as one-sided or double-sided fabric impression. Additional the order of a surface finish (design „C“) is possible. This special grade is powder free and also very low-friction. Further customerspecific versions on demand.
Delivery form	Available as sheeting with a standard effective width of 1200 mm wound up on cardboard tubes. The sheeting can also be delivered in strips with a width starting from 40 mm.
Applications	Resistant to acids, alkaline solutions, oil, grease, petrol and gas. Furthermore the product is low-sulphur constructed and fulfills the requirements of the VW 2.8.1. A, T.
General polymer characteristics	See selection guide for elastomers under the following link: www.optibelt.com/en/elastomer-solutions/service/downloads.html
Storage	General information for the storage of elastomers can be found in the norm DIN 7716.

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We would be happy to advise you about the product characteristics and adjustments if you have particular requirements. Please also note the information in the OPTIBELT documentation. Errors excepted, subject to technical change without notice. www.optibelt.com, © OPTIBELT Elastomer Solutions GmbH