



optibelt ELASTOMIT-NBR 1534K

Technical elastomer sheeting

05/2017



PRODUCT SPECIFICATION		NOTE
Polymeric base	Nitrile-Butadiene-Rubber (NBR)	
Colour	black	
Thickness / Range	0.30 mm - 0.80 mm	
Hardness	65 ± 5 Shore A	in accordance with DIN 53505
Specific weight	1.40 ± 0.02 g/cm ³	in accordance with DIN 53479
Tensile strength (min.)	9.0 N/mm ²	in accordance with DIN 53504
Elongation (min.)	400 %	in accordance with DIN 53504
Temperature resistance	- 35°C up to + 100°C	

SPECIFIC TESTS		
Compression set	37%	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)	-6 Shore A / -7 %	in reference to DIN ISO 1817 (70h, 70°C, Medium IRM 903)

ADDITIONAL INFORMATION	
Version K	The vulcanisation process is carried out in autoclaves (tanks). Through this special vulcanisation process, OPTIBELT is able to obtain a „low-shrink“ grade (in both lengthwise and traverse directions) during the die-cutting process. The values measured on the manufactured product - the ultimate tensile strength and tear strength as well as the ultimate elongation - are reduced by approx. 1/3, depending on the process, compared to the „A“ design.
Construction	Both sides of this design are flat and powdered.
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 and petrol. Furthermore the product is low-sulphur constructed and fulfills the requirements of the DBL 5563.32.
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