

Compound N9182

HNBR, black

Compound Data Sheet

Creator

JH / 05.07.2019

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Status

Release

Data created electronically. This document is not subject to change management.
Not signed.

Physical properties

Test	Norm	Specimen	Ref. Value	Typ. Value	Unit
Hardness	DIN ISO 48-4	> 6 mm	75±5	74	Shore A
Density	DIN EN ISO 1183-1		1.25±0.02	1.25	g/cm³
Modulus 100%	DIN 53 504	S2	≥6.0	8.2	N/mm²
Tensile strength	DIN 53 504	S2	≥ 14	16.6	N/mm²
Ultimate elongation	DIN 53 504	S2	≥ 180	201	%
Tear strength	ISO 34-1 B	Methode B Verfahren (b)		15.1	N/mm
Compression Set 24h/100°C	DIN ISO 815-1	25 % Deformation, Test specimen B, Methode A		20.0	%
Low temperature properties Midpoint, DSC	ISO 11357			-27	°C

Approvals

Aging Tests

Medium	Time (h)	Temp. (°C)	Norm	Properties		Typical value	
				Δ Hardness (ShA)	Δ Volume (%)	Δ RF (%)	Δ RD (%)
AdBlue	168	95	ISO 1817	-2	+2.8		
AdBlue	1000	80	ISO 1817	+3	+8		

The test results are mean values and represent typical material properties. They are not to be used as specification values. These test results are gained under usual laboratory conditions and do not necessarily correspond to results measured on finished goods. The compound information does not release the user from the necessity to conduct his own testing. We reserve the right to make technical alterations.
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