

Compound N3813

HNBR, black

Compound Data Sheet

Creator
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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	70 ± 5	74	Shore A
Density	DIN EN ISO 1183-1		1.20 ± 0.02	1.21	g/cm ³
Modulus 100%	DIN 53 504	S2	≥ 4.0	8.6	N/mm ²
Ultimate elongation	DIN 53 504	S2	≥ 160	178	%
Tensile strength	DIN 53 504	S2	≥ 13.0	16.8	N/mm ²
Compression Set 24h/70°C	DIN ISO 815-1	25 % Deformation, Test specimen B, Methode A	-	13	%
Compression Set 24h/150°C	DIN ISO 815-1	25 % Deformation, Test specimen B, Methode A	-	30	%
TR10	ISO 2921	2 mm	-	-31	°C

Approvals

Aging Tests

Medium	Time (h)	Temp. (°C)	Norm	Properties		Typical value	
				Δ Hardness (ShA)	Δ Volume (%)	Δ RF (%)	Δ RD (%)
ASTM-1	100	70	ISO 1817	+2	-5	-	-
ASTM-3	100	70	ISO 1817	0	+0.9	-	-
air	168	125	DIN 53 508	+4	-	-	-

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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