

Compound N3544

NBR, 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	90 ± 5	86	Shore A
Density	DIN EN ISO 1183-1		1.34 ± 0.02	1.34	g/cm ³
Tensile strength	DIN 53 504	S2	≥ 9.0	10.5	N/mm ²
Ultimate elongation	DIN 53 504	S2	≥ 210	256	%
Modulus 100%	DIN 53 504	S2	≥ 5.0	7.5	N/mm ²
Tear strength	ISO 34-1 B	Methode B Verfahren (b)	-	32	N/mm
Compression Set 24h/100°C	DIN ISO 815-1	25 % Deformation, Test specimen B, Methode A	-	20	%
low temperature_ glass transition	DIN EN ISO 11357		-	-23	°C

Approvals

Aging Tests

Medium	Time (h)	Temp. (°C)	Norm	Properties		Typical value	
				Δ Hardness (ShA)	Δ Volume (%)	Δ RF (%)	Δ RD (%)
ASTM-1	168	100	DIN ISO 1817	+6	-5.8	-	-
IRM-902	168	100	DIN ISO 1817	-7	+3.0	-	-
IRM-903	168	100	DIN ISO 1817	-15	+11.2	-	-

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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