

Compound N3580

NBR, brown

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	80 ± 5	79	Shore A
Density	DIN EN ISO 1183-1		1.34 ± 0.02	1.35	g/cm ³
Modulus 100%	DIN 53 504	S2	≥3.0	5.0	N/mm ²
Tensile strength	DIN 53 504	S2	≥ 6.0	10.1	N/mm ²
Ultimate elongation	DIN 53 504	S2	≥ 240	407	%
Tear strength	ISO 34-1 B	Methode B Verfahren (b)	-	21.7	N/mm
Compression set 24h / 80°C	ISO 815-1 A	Meth. A Verformung 25%	-	33.6	%
Low temperature properties Tonset TMA	VDA 675117	Ø 5x2 mm	-	-18	°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	ISO 1817	+2	-2.0		
ASTM-3	168	100	ISO 1817	-8	+20.0		
IRM-903	168	100	ISO 1817	-8	+14.5		
IRM-902	168	100	ISO 1817	-3	+5.8		
recirculating air	168	100	DIN 53 508	+4	-1.3		

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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