

Compound N8680

HNBR, black

Compound Data Sheet

Creator
GH / 16.07.2021

Print-Date
29.03.2023

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	92	Shore A
Density	DIN EN ISO 1183-1		1.27 ± 0.02	1.27	g/cm³
Tensile strength	DIN 53 504	S2	≥ 12.0	14.5	N/mm²
Ultimate elongation	DIN 53 504	S2	≥ 80	96	%
Modulus 100%	DIN 53 504	S2	-	5.1	N/mm²
Compression Set 24h/150°C	DIN ISO 815-1	25 % Deformation, Test specimen B, Methode A	-	45	%
TR10	ISO 2921	2 mm	-	-29	°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	DIN ISO 1817	+3	-4	-	-
IRM-903	100	70	DIN ISO 1817	+1	+1.1	-	-
hot 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.
© 2020, Parker-Hannifin Corporation. All Rights Reserved. Subject to change.



Parker Hannifin Manufacturing Germany GmbH & Co.KG
Engineered Materials Group Europe
Prädifa Technology Division
Arnold-Jäger-Str. 1
74321 Bietigheim-Bissingen • Germany
Tel. +49 (0) 7142 351-0 • Fax +49 (0) 7142 351-293