

RT-NBR80-BK-P

Nitrile (NBR) · premium, hard · black · 80 Sh A

Product overview

Material family	Nitrile (NBR)
Colour	Black
Available thicknesses	2 · 3 · 4 mm
Roll width	1400 mm
Roll length	10000 mm
Typical use	Resistant to oils, greases and fuels.

Certifications & compliance

- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	DIN 53508 / ASTM D297	1.35
Hardness	DIN 53505 / ASTM D2240	80 ± 5 Sh A
Tensile strength (min)	DIN 53504 / ASTM D412	1425 PSI / 100 kg/cm ²
Elongation at break (min)	DIN 53504 / ASTM D412	350 %
Compression set (70 °C / 24 h / 25 %) (max)	DIN 53517 / ASTM D395 method B	30 %
Tear resistance, angular (min)	DIN 53515 / ASTM D624	140 lbs/inch / 25 kg/cm
Change in properties after heat ageing (72 h at 70 °C)	ASTM D573	
Hardness (pts)		+4 (max)
Tensile strength (%)		+10 / -10
Elongation at break (%)		+10 / -20
Volume swell (72 h at 70 °C)	ASTM D471	
ASTM oil No. 1		-2 %
ASTM oil No. 2		+4 %
ASTM oil No. 3		+15 %
Chemical resistance		
Ozone	ASTM D1149	Fair
Dilute acids and bases		Good
Concentrated acids and bases		Not recommended
Oils		Excellent
Solvents		Good
Polymer content (nitrile)		100 %
Temperature range		-30 °C to +110 °C