TECHNICAL DATA SHEET

RT-IIR60-BK

Specialty · butyl (IIR) · black · 60 Sh A

Product overview

Material family	Specialty
Colour	Black
Available thicknesses	2 · 3 · 4 · 5 · 6 mm
Roll width	1400 mm
Roll length	10000 mm
Typical use	Rubber with specific properties.

Certifications & compliance

- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	DIN 53508 / ASTM D297	1.20 ± 0.05
Hardness	DIN 53505 / ASTM D2240	60 ± 5 Sh A
Tensile strength (min)	DIN 53504 / ASTM D412	1280 PSI / 90 kg/cm²
Elongation at break (min)	DIN 53504 / ASTM D412	350 %
Compression set (70°C/24 h/25% compression) (max)	DIN 53517 / ASTM D395 METHOD B	40 %
Tear resistance (angular) min	DIN 53515 / ASTM D624	140 lbs/inch / 25 kg/cm
Change in properties after heat ageing for (72 h at 70 °C)	ASTM D573	
Hardness (pts)		+3 (max)
Tensile strength (%)		+10 / -10
Elongation at break (%)		+10 / -10
Volume swell: at 70°C for 72 h	ASTM D471	
In IRM oil No. 901		Not recommended
In IRM oil No. 902		Not recommended
In IRM oil No. 903		Not recommended
Chemical resistance		
Ozone	ASTM D1149	Excellent
Dilute acids and bases		Excellent
Concentrated acids and bases		Excellent
Oils		Fair
Solvents		Not recommended
Temperature range		-45 °C to +120 °C