

SPECIFICATION SHEET

**R-153 Abrasion Resistant Rubber**

<b>Properties</b>	<b>Test Method</b>	<b>Values FPS units</b>	<b>Test Method</b>	<b>Values Metric units</b>
Specific gravity	DIN 53508	1.17 +/- 0.05	ASTM D297	1.17 +/- 0.05
Hardness Shore A	DIN 53505	60 +/- 5 Sh A	ASTM D2240	60 +/- 5 Sh A
Tensile Strength (min)	DIN 53504	1638 PSI	ASTM D412	115 kg/cm <sup>2</sup>
Elongation at break (min) %	DIN 53504	450%	ASTM D412	450%
Abrasion resistance (max) mm <sup>3</sup>	DIN 53516	120 MM <sup>3</sup>	ASTM D5963	120 MM <sup>3</sup>
Compression set (70°C / 24hrs / 25% compression) (max)%	DIN 53517	30%	ASTM D395 METHOD B	30%
Tear resistance (Angular) min	DIN 53515	168lbs/inch	ASTM D264	30 kg/cm
<b>CHANGE IN PROPERTY AFTER HEAT AGING FOR (72 hrs. AT 70°C)</b>	<b>ASTM D573</b>			
Hardness (Pts)		+ 5 (max)		+ 5 (Max)
Tensile Strength (%)		+10 / -25		+10 / -25
Elongation at break (%)		+10 / -25		+10 / -25
<b>Volume swell : at 70°C for 72 hours</b>	<b>ASTM D471</b>			
IN IRM OIL no.1		Not recommended		Not recommended
IN IRM OIL no.2		Not recommended		Not recommended
IN IRM OIL no.3		Not recommended		Not recommended
<b>Chemical resistance</b>				
Ozone		Fair	ASTM D 1149	Fair
Dilute acids and bases		Good		Good
Concentrated acids & bases		Not recommended		Not recommended
Oils		Not recommended		Not recommended
Solvents		Not recommended		Not recommended
Temperature range		-25°C to + 70°C		-25°C to + 70°C

**QUALITY ASSURED PRODUCTS WITH FULL TRACEABILITY**

Care should be taken in selecting the most suitable quality for each application.

Advice is available but final responsibility remains with the customer.