MANUFACTURER OF INNOVATIONS

JSF SILICONE®

TECHNICAL INFO

High consistency silicone rubber JSF RN 200 (40-80)

MAIN CHARACTERISTICS:

- Dedicated for the rail industry
- Mechanical features are almost the same over the entire temperature range (-60°C to 200°C)
- Very good fire resistance
- Low toxic index
- Low smoke level
- Free of halogen (LSFOH)
- Can be coloured (RAL)
- Certified by Exova Warringtonfire nr: 2018-1899 for thickness 2-8 mm

WHERE TO USE:
Rail industry

APPLICATION TEMPERATURE:
From -60°C to 200°C

QUALITIES:

FEATURE	STANDARD	RN 40	RN 70	RN 80
Hardness (Shore A)	DIN 53505 DIN EN ISO868	~30	~55	~72
Hardness after post-curing (Shore A)	DIN 53505 DIN EN ISO868	40±5	65±5	80±5
Density (g/cm^3)	DIN 53479 ISO/R 1183	1.17	1.18	1.2
Tensile strength (MPa)	DIN 53504 ISO/DIS 37	8.6	6.7	10.2
Elongation at break (%)	DIN 53504 ISO/DIS 37	460	430	320
Tear strength (N/mm)	ASTM D624B	17	21	19
Compression set (%)	DIN ISO 815 (22h/175°C)	45	40	60
Volume resistivity Ohm.cm	CEI 60093	6,7 10^{15}	1,8 10^{11}	8,1 10^{11}
Operation temperature (°C)		-60 / +200		
Colour		coloured (RAL)		

The provided information comes from the testing and internal knowledge. It is supposed to represent the characteristics of the product. Yet it shouldn't be used as the end use specification, as the provided data are typical values. One should be aware that the actual testing if the material suits the desired application is to be done by the customer. Any suggestions as to where the material can be used are for guidance only and are not subject to warranty or guarantee. Subject to change without notice.

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PN-EN ISO 9001:2015

PN-EN ISO 14001:2015