MANUFACTURER OF INNOVATIONS

JSF SILICONE ®

TECHNICAL INFO

High consistency silicone rubber SR 200 (60)

MAIN CHARACTERISTICS:

- Steam resistant
- Steam resistance over 2 months in 160°C
- Peroxide curing
- Mechanical features are almost the same over the entire temperature range (-60°C to 200°C)
- Very good compression set
- Resistant to many chemicals
- Conforms with recommendation XV BfR and CFR 21 FDA §177.2600

WHERE TO USE:

Automotive industry
Rail industry
Energy industry
Aircraft & space technology industries
Medical and pharmaceutical technologies
Sanitary technologies
Household appliances and gastronomy
Heat protection devices

APPLICATION TEMPERATURE:

From -60°C to 200°C

QUALITIES:

FEATURE	STANDARD	SR 40	SR 40 after 60 days in 160°C (steam)
Hardness (Shore A)	DIN 53505 DIN EN ISO868	58±5	61
Delta hardness (Shore A)			+3
Density (g/cm^3)	DIN 53479 ISO/R 1183	1.18±0,003	
Tensile strength (MPa)	DIN 53504 ISO/DIS 37	7.6	2.80
Delta tensile strength (MPa)			-66%
Elongation at break (%)	DIN 53504 ISO/DIS 37	253	147
Delta elongation at break (%)			-39
Tear strength (N/mm)	ASTM D624B	15	
Compression set (%)	DIN ISO 815 (22h/175°C)	50	
Volume charge			-4%
Operation temperature (°C)	-60 / +200		
Colour	opaque creamy		

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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