MANUFACTURER OF INNOVATIONS

JSF SILICONE®

TECHNICAL INFO

High consistency silicone rubber PT 200 (30-80)

MAIN CHARACTERISTICS:

- Platinum vulcanised
- Mechanical features are almost the same over the entire temperature range (-50°C to 200°C)
- Resistant to UV (radiation) and ozone (non-aging)
- Resistant to many chemicals
- Great compression set
- Very good fire resistance
- No toxic combustion gases
- Free of plasticiser
- Can be coloured (RAL)
- For many colours our silicone product conforms with recommendation XV BfR and CFR 21 FDA §177.2600 or USP Class VI. For further inquiries please get in touch.

WHERE TO USE:

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

APPLICATION TEMPERATURE:

From -50°C to 200°C

QUALITIES:

FEATURE	STANDARD	PT 30	PT 40	PT 50	PT 60	PT 70	PT 80
Hardness (Shore A)	DIN 53505 DIN EN ISO868	30±5	40±5	50±5	60±5	70±5	80±5
Density (g/cm^3)	DIN 53479 ISO/R 1183	1.11	1.13	1.14	1.16	1.18	1.18
Tensile strength (MPa)	DIN 53504 ISO/DIS 37	10	10.3	9.7	10.1	9.4	8.1
Elongation at break (%)	DIN 53504 ISO/DIS 37	950	850	840	710	600	290
Tear strength (N/mm)	ASTM D624B	25	24	35	35	39	18
Compression set (%)	DIN ISO 815 (22h/175°C)	25	25	25	25	25	40
Dielectric strength	VDE 0303	20	20	20	20	20	30
Operation temperature (°C)		-50 / +200	-50 / +200	-50 / +200	-50 / +200	-40 / +180	-40 / +180
Colour		transparent or 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.

JSF Silikon S. Flak Spółka Jawna
ul. Grabska 29 / 32-005 Niepołomice / Poland
KRS: 0000358952 / REGON: 351557251
VAT UE: PL6831735500

T: +48 12 250 08 10
F: +48 12 250 08 12
E: jsf@jsf.pl
W: www.jsf.pl

PN-EN ISO 9001:2015

PN-EN ISO 14001:2015