MANUFACTURER OF INNOVATIONS

JSF SILICONE ®

TECHNICAL INFO

High consistency silicone rubber SP 300 (30-80)

MAIN CHARACTERISTICS:

» Closed-cell structural foam
» Resistant to high temperature (-50°C to 300°C)
» Resistant to UV (radiation) and ozone (non-aging)
» Very good fire resistance
» No toxic combustion gases
» Free of plasticiser

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 300°C

QUALITIES:

FEATURE	STANDARD	SP 30	SP 40	SP 50	SP 60	SP 70	SP 80
Hardness (Shore A)	DIN 53505 DIN EN ISO868	~8	~8-15	~15	~20	~25	~30
Density (g/cm^3)	DIN 53479 ISO/R 1183	0.3±0.1	0.4±0.1	0.5±0.1	0.6±0.1	0.7±0.1	0.8±0.1
Elongation at break (%)	DIN 53504 ISO/DIS 37	150	150	200	200	250	250
Compression set (%)	DIN ISO 815 (22h/175°C)	50	40	40	40	35	35
Burning behaviour [class]	UL94	HB self-classification					
Thermal conductivity [W/(m K)]		0.08	0.1	0.12	0.13	0.15	0.18
Operation temperature (°C)		-50 / +300	-50 / +300	-50 / +300	-50 / +300	-50 / +300	-50 / +300
Colour		light ivory or grey blue					

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