

MAIN CHARACTERISTICS:

- » Platinum vulcanised
- » Resistant to high temperature (-50 °C to 300 °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
- » 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 300°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 / +300	-50 / +300	-50 / +300	-50 / +300	-40 / +280	-40 / +280
Colour		light ivory or blue grey					

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.