

MAIN CHARACTERISTICS:

- » Peroxide curing
- » Mechanical features are almost the same over the entire temperature range (-50°C to 250°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 250°C

QUALITIES:

FEATURE	STANDARD	NT 10	NT 20	NT 30	NT 40	NT 50	NT 60	NT 70	NT 80	NT 90
Hardness (Shore A)	DIN 53505 DIN EN ISO 868	10 +10/-0	20 +8/-3	30 +8/-3	40±5	50±5	60±5	70±5	80±5	90 +0/-10
Density (g/cm ³)	DIN 53479 ISO/R 1183	1.07	1.11	1.11	1.12	1.15	1.17	1.18	1.19	1.20
Tensile strength (MPa)	DIN 53504 ISO/DIS 37	6.3	8.6	9.0	9.5	10.5	10.4	10.7	10.1	8.3
Elongation at break (%)	DIN 53504 ISO/DIS 37	1200	920	700	550	480	390	400	400	300
Tear strength (N/mm)	ASTM D624B	17.5	18	16.5	16	20	20	22	25	19
Compression set (%)	DIN ISO 815 (22h/175°C)	40	35	45	45	50	50	40	50	55
Dielectric strength	VDE 0303	20	20	20	20	20	20	20	20	20
Operation temperature (°C)		-50 / +250	-50 / +250	-50 / +250	-50 / +250	-50 / +250	-50 / +250	-50 / +250	-40 / +240	-40 / +240
Colour		translucent or coloured (RAL)			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.