

Technical Data Sheet

Polymax Solid Silicone Cord

Polymax Silicone rubber solid cord is the preferred choice of medical, pharmaceutical and food processing industries or anywhere that requires a 'clean room' application.

Silicone will keep constant even at high temperatures, but should not be used with high pressure steam. Silicone has excellent resistance to heat (dry air), at +200°C intermittent and will remain flexible at low temperatures of - 70°C and is also resistant to ultra-violet light, Ozone and weathering. Silicone also exhibits low in flammability and low smoke toxicity.

Technical Properties:

Property	Test method	Unit	NGP 60
Hardness Shore A	DIN 53 505	-	60± 5°
Appearance	-	-	Translucent/White/Red
Specific gravity	DIN EN ISO 1183- 1A	g/cm ³	1.15
Tensile Strength	DIN 53 504 S1	N/mm ²	10.5
Elongation at break	DIN 53 504 S1	%	590
Tear resistance	ASTM D 624 B	N/mm ²	25
Impact resistance	DIN 53 512	%	60
Compression set	DIN ISO 815-B (22h/175°C)	%	20
Min. Temperature	-	°C	- 40
Max. Temperature	-	°C	+200