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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.

| 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/cm³ | 1.15 |
| Tensile Strength | DIN 53 504 \$1 | N/mm² | 10.5 |
| Elongation at break | DIN 53 504 S1 | % | 590 |
| Tear resistance | ASTM D 624 B | N/mm² | 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 |

Technical Properties:

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product. All sales subject to our standard terms https://www.polymax.co.uk/sales-terms