



Technical Datasheet

Compound: VGP50

Version: 6
Date of Last Alteration: 20/03/19

Overview:

A general purpose silicone compound with very good mechanical properties. Special features include heat stability inside a wide temperature range. This compound has good flexibility and high transparency. It is easily pigmented to a variety of colours.

Features:

- FDA compliant to 21 CFR 177.2600
- WRc approved to M103580/A-H
- Compliant to EC1935/2004
- BfR compliance chapter XV
- Certified to USP Class VI
- Free from Phthalate
- Free from TSE/BSE bi-products.

Property	Inspection Method	Value
Temperature Range		-50°C to + 180°C (working) Up to 200°C (intermittent)
Appearance		Transparent
Density at 20°C	ISO 1183-1 A	Approx. 1.15 g/cm ³
Hardness Shore A	DIN 53505	52
Tensile Strength	DIN 53504 S1 / ISO 37	11 N/mm ²
Elongation at Break	DIN 53504 S 1	520%
Tear Strength	ASTM D 624 B	25 N/mm
Rebound Resilience	DIN 53512	56%
Compression Set	DIN ISO815-B (22h / 175°C)	34%

*These figures are intended as a guide and should not be used in preparing specifications.

**Size tolerance to ISO 3302-1: 2014

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