



COMPOUND MATERIAL DATA SHEET

GENERAL OVERVIEW:

A high tear strength 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
- BfR compliance chapter XV
- EC 1395/2004

PROPERTIES:

PARAMETER	TEST METHOD	TYPICAL VALUE
Temperature Range		-55°C to +180°C
Density at 20°C	DIN EN ISO 1183-1 A	1.19g/cm ³
Hardness Shore A	DIN ISO 48-4	72°
Tensile Strength	ISO 37 Type 1	10N/mm ²
Elongation at Break	ISO 37 Type 1	570%
Tear Strength	ASTM D 624 B	45N/mm
Rebound Resilience	ISO 4462	47%
Compression Set (22h / 175°C) ⁽¹⁾	DIN ISO 815-1 Type B Method A	38%

NOTES:

Cure conditions: 1.5% (50% paste of bis (2,4-dichlorobenzoyl)-peroxide in silicone fluid), 10 min / 135°C in press, post-cured 4h / 200°C.

⁽¹⁾ Post-cured 4h / 200°C.

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