SEALS+DIRECT

DESCRIPTION
HIGH TEMPERATURE EXTRUSION SILICONE RUBBER 20 SHORE A

DOCUMENT NO.
CMDS0011

bsi. ISO 9001:2015 Quality Management
Certificate Number: FS 807117

COMPOUND MATERIAL DATA SHEET

GENERAL OVERVIEW:

A high temperature rated compound with good mechanical properties. The compound has a natural off-white colour and limited pigments, most commonly red oxide or grey.

FEATURES:

• FDA compliant to 21 CFR 177.2600

PROPERTIES:

PARAMETER	TEST METHOD	TYPICAL VALUE
Temperature Range		-50°C to +300°C (Max)
Density at 20°C	ISO 1183-1 A	1.11g/cm³ (Approx)
Hardness Shore A	DIN 53505	24°
Tensile Strength	DIN 53501 S1 / ISO 37	9N/mm²
Elongation at Break	DIN 53504 S1	920%
Tear Strength	ASTM D 624 B	26N/mm
Rebound Resilience	DIN 53512	42%
Compression Set (22h / 175°C)	DIN ISO 815-B	33%

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.

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ORIGINATOR
CJM

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