SEALS+DIRECT

DESCRIPTION
GENERAL PURPOSE EXTRUSION SILICONE RUBBER 30 SHORE A

DOCUMENT NO.
CMDS0002

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

COMPOUND MATERIAL DATA SHEET

GENERAL OVERVIEW:

A general-purpose peroxide cured silicone compound with very good mechanical properties. Suitable for food contact applications with heat stability within a wide temperature range. This compound has high transparency and can be pigmented to a variety of colours.

FEATURES:

- FDA compliant to 21 CFR 177.2600
- EC1935/2004
- BfR compliance chapter XV
- WRAS Approved
- Free from Phthalate
- Free from TSE/BSE bi-products

PROPERTIES:

PARAMETER	TEST METHOD	TYPICAL VALUE
Temperature Range		-50°C to +180°C
Density at 20°C	DIN EN ISO 1183-1 A	1.10g/cm³
Hardness Shore A	DIN ISO 48-4	28°
Tensile Strength	ISO 37 Type 1	10N/mm²
Elongation at Break	ISO 37 Type 1	910%
Tear Strength	ASTM D 624 B	28N/mm
Rebound Resilience	ISO 4662	49%
Compression Set (22h / 175°C)	DIN ISO 815-1 Type B Method A	15%

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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S+D/MDS003/Compound Material Data Sheet/Ver 1.0