



Certificate Number: FS 807117

COMPOUND MATERIAL DATA SHEET**GENERAL OVERVIEW:**

A fire-retardant compound with good mechanical properties. This compound has good heat stability inside a wide temperature range. Pigmentation options are limited due to off-white base colour.

FEATURES:

- BS6853: 199 (Category 1A conformity) LOI of 37%
- NF F 16-101 & NF F 16-102 Classification: F0
- Vertical Burning Classification: IEC 60695-11-10, Classification: V0 on 2mm
- Limiting Oxygen Index: ISO 4589-2, 40% on 2mm
- EN45545-2 R22, R23 HL1, HL2, HL3 (2.2mm thick sample)
- Excellent fire resistance
- LSF0H: Low smoke, halogen free
- Non-toxic and non-corrosive smokes

PROPERTIES:

PARAMETER	TEST METHOD	TYPICAL VALUE
Temperature Range		-50°C to +200°C
Density at 25°C		1.29g/cm ³
Hardness Shore A	ISO 48-4	69°
Tensile Strength	ISO 37-2	9.3MPa
Elongation at Break	ISO 37-2	300%
Tear Strength	ASTM D 624 A	22KN/m
Volume Resistivity	IEC 60093	8.1 x 10 ¹⁵ Ω.cm
Dielectric Constant at 1MHz	IEC 60250	3.0
Dielectric Dissipation Factor at 1MHz	IEC 60250	3 x 10 ⁻³

NOTES:

Cure conditions: 1.5% (50% paste of bis (2,4-dichlorobenzoyl)-peroxide in silicone fluid), vulcanized for 8 min at 115°C in press, post cured 4h / 200°C.

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Seals+Direct Ltd
Unit 6, Milton Business Centre, Wick Drive
New Milton, Hants, BH25 6RH, UK
Tel: 01425 617722 Web: sealsdirect.co.uk
E-mail: sales@sealsplusdirect.co.uk Reg. No 4989100

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ORIGINATOR
CJM
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