



Certificate Number: FS 807117

COMPOUND MATERIAL DATA SHEET**GENERAL OVERVIEW:**

A custom compound specifically formulated for the manufacture of inflatable seals. This compound has high tear strength characteristics and is easily pigmented.

FEATURES:

- FDA compliant to 21 CFR 177.2600
- BfR compliance chapter XV
- EC1935/2004

PROPERTIES:

PARAMETER	TEST METHOD	TYPICAL VALUE
Temperature Range		-55°C to +180°C
Specific Gravity	DIN EN ISO 1183-1 A	1.18±0.05g/cm ³
Hardness Shore A	DIN ISO 48-4	59±5°
Tensile Strength	ISO 37 Type 1	10.1N/mm ²
Elongation at Break	ISO 37 Type 1	584%
Tear Resistance Die B	ASTM D 624 B	41.8N/mm
Compression Set (22h / 175°C)	DIN ISO 815-1 Type B Method A	23%
Modulus @ 100%	ASTM D412	1.96N/mm ²

NOTES:

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

ISSUE 1	DATE 30.01.25	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE
CR	APPROVED PJH	CR	APPROVED	CR	APPROVED	CR	APPROVED	CR	APPROVED	CR	APPROVED	CR	APPROVED

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

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for the intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice.

ORIGINATOR
CJM
CREATED DATE
17/01/25
© SEALS + DIRECT LTD