SEALS+DIRECT	DESCRIPTION	DOCUMENT NO.
	INFLATABLE GRADE EXTRUSION SILICONE RUBBER 60 SHORE A	**CMDS0027**

bsi. ISO 9001:2015 Quality Management
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/cm³**
Hardness Shore A	**DIN ISO 48-4**	**59±5°**
Tensile Strength	**ISO 37 Type 1**	**10.1N/mm²**
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/mm²**

NOTES:

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

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ORIGINATOR	CREATED DATE
CJM	17/01/25