

VINF60

Inflatable Seal Grade Silicone Rubber

General Information

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

Material compliance

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

Environmental Resistance

Silicone Rubber Products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet Light
- Corona Discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

Material Properties

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

Property	Unit	Value
Temperature Range	°C	-55 to + 180
Appearance	-	Transparent
Hardness	° Shore A	59 (±5)
Specific Gravity	g/cm ³	1.18 (±0.05)
Tensile Strength (Nominal)	N/mm ²	10.1
Elongation at Break (Nominal)	%	584
Tear Resistance die B (Nominal)	N/mm	41.8
Modulus @ 100%	N/mm ²	1.96
Compression Set (22hrs at 175°C)	%	23

These figures are only intended as a guide and should not be used in preparing specifications. Size tolerance to ISO 3302-1: 2014.

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose. 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 their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. The information contained within this data sheet is subject to change without notice.

Viking Extrusions Ltd – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 06 – Last Updated: 16/01/25

