

Silicone rubber

RUT G-18

Features

General purpose silicone rubber with good mechanical properties.

Application

Suitable for molding and extrusion. It is recommended for manufacture molding items and tubes, profiles, ware and cables.

Typical product data

Property	Test method	Value
Appearance		Transparent
Specific gravity at 20 °C, g/cm ³	ISO 1183-1 A	1,16 ±0,03
Curing agent: 40 % paste of 2,5-bis-(t-butylperoxy)-2,5-dimethyl hexane in silicone rubber (Cure conditions - 10 min. / 170 °C, post-cure – min 2 h / 200 °C), 1,4 phr		
Hardness Shore A	DIN 53505	78 ±5
Elongation at break, %, min	DIN 53504 S1	200
Tensile strength, MPa, min	DIN 53504 S1	7,5
Tear resistance, kN/m, min	ASTM D 624 B	15,0
Linear shrinkage rate, %		3,0 ±0,3

These values are intended as a guide and should not be used in preparing specifications.

Storage

Silicone rubber should be stored in the original unopened boxes at dry conditions at room temperature (max. 30 deg. C). The shelf life is 12 months from date of manufacture on the product label or on the associated Certificate of Analysis. At the end of the shelf life period, the product can be used after re-checking the properties.

Safety information

The product is stable and not dangerous under normal conditions.

Detailed safety information is contained in material safety data sheet.