

Description

Silicone rubber compound, vulcanising on heating

Product Form:

Mouldings, Profile Extrusions, Sheeting

Special Properties

Stable over a range of temperatures -55°C to +250°C

No refreshing except after prolonged storage

No post cure

Fire retardant

Low smoke emission

Low toxic gas emission

Mechanical Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Specific Gravity at 25°C, approx		1.28
Natural Colour		Grey
Shore A Hardness, approx	ASTM D 2240	73
Tensile Strength, MPa, approx	ISO R37	10.2
Elongation at break, %, approx	ISO R37	320
Tear Strength, kN/m, approx	ASTM D 624 A	19
Volume Resistivity, ohm.cm, approx		4.2 x 10 ¹⁵

Heat Stability

Mechanical properties after heat ageing in hot air after 10 days at 200°C		
Shore A Hardness, approx	ASTM D 2240	76
Tensile Strength, MPa, approx	ISO R37	7.3
Elongation at break, %, approx	ISO R37	200

Mechanical properties after heat ageing in hot air after 10 days at 250°C		
Shore A Hardness, approx	ASTM D 2240	77
Tensile Strength, MPa, approx	ISO R37	5.9
Elongation at break, %, approx	ISO R37	130

The information and data contained herein is believed to be accurate and reliable. However it is the user's responsibility to determine suitability for use. C B Frost & Co makes no warranties concerning fitness or suitability of its products for a particular use or purpose. C B Frost & Co reserves the right to alter the material specification at any time, without prior notice.