

SS-RTV224570 Technical Data Sheet 09/03/2020

SS-RTV224570

Technical Data Sheet

Flame Retarded Liquid Silicone Rubber for Coating (LSR)

SS-RTV224570 Introduction

SS-RTV224570 is a grey two-component liquid silicone rubber for coating

Typical Applications

- Automotive & Mass Transit
- Railway Gangways
- Oil and Gas Installations

Properties

- Low/medium viscosity
- Good adhesion for silicone
- Excellent fire resistance
- Non Toxic Fume and non-corrosive
- Tested to UL94 V1 Standard
- Tested by EN45545-2 and obtained HL3
(In the form of 2.1mm slab containing 2 layers of aramid fabric)

SS-RTV224570 How to Use

For making a suitable product. Mix components A and B in the ratio 10:1 (by weight)

SS-RTV224570 Handling Precautions

Wear eye protection and protective glove when handling this product. May cause a curing difficulty with amine, sulphur, organic phosphate compound and organic metallic compound.

SS-RTV224570 Safety and Storage

Use it within 12 months from the date of manufacture. Store in a cool dry place out of direct sunlight. Keep out of the reach of children. MSDS available on request.

SS-RTV224570 Packaging

PART A: 200kg straight drum or 20kg straight PE pail.
PART B: 20kg straight PE pail or 1kg Tin can.

SS-RTV224570 Typical Uncured Properties

Property	SS-RTV224570A	SS-RTV224570B
Appearance	Grey	Milky White
Viscosity	15000 cps	15000 cps

Mix ratio by weight A:B	10:1
Pot Life (23°C)	2 days

SS-RTV224570 Typical Cured Properties

Property	Test Method	Press cure 2)
Specific Gravity @25°C	ASTM D 792	1.36
Hardness (Shore A)	ASTM D 2240	70
Tensile strength	DIN 53504	7.0 MPa
Elongation	DIN 53504	120 %
Tear Strength	ASTM D 624	10 N/mm
Volume Resistivity	ASTM D 257	1.1x10 ¹⁵ Ω.cm
LOI (Limit Oxygen Index)	ASTM D 2863	36%

1) Shear Rate 10 s⁻¹

2) Press cure : 170°C * 10min

Typical property data values should not be used as specifications

Limited Warranty

Silicone Solutions Ltd warrants that its product will conform to Silicone Solutions Ltd internal specifications at the time of application or use, provided that the product is stored in accordance with Silicone Solutions Ltd recommendations and used or applied before the earliest of (1) the "use before date" indicated on the product package, (2) six months from the date of shipment, or (3) expiration of such other period or recommended storage time stated in the Silicone Solutions Ltd literature for the product. If notified in writing of a claim within six months of the products use of application, Silicone Solutions Ltd will at its option replace or refund the purchase price of any Silicone Solutions product with does not satisfy the foregoing warranty.

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