宇航橡胶 YuHang Rubber RUBBER

南京宇航橡胶有限公司

NANJING YUHANG RUBBER CO.LTD

Manufacturers · Designers · Distributors

Solid Silicone Sheeting Datasheet

Product Code: RC0323

Product Description

Our range of solid silicone sheets are the perfect product for applications which require good sealing capabilities in both high and low temperatures. Silicone offers great durability as well resistance properties while also being incredibly non-toxic and pure. It also has excellent electrical insulation and good release properties.

Available In -

Full Rolls

Cut to strip

Bespoke Gaskets

Material Specification Information

Our solid silicone sheeting colour range has been tested to and is in accordance with the American Food and Drugs administration (FDA) 21 CFR 177-2600, BFR XV Empfehlung and colour bleed test according to BFR Empfehlung part B 11 & Directive EC 1935/2004.

Our Translucent, Blue, White, Red and Black colour sheet have been approved by the WRAS (Water Regulations Advisory Service) for use in contact with potable water at temperatures up to 85°C (185°F).

This material meets the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a) (1) (iv) and (a) (1) (v) horizontal flammability test and Automotive Standard PART 571MVSS302.

Material Specification Information

Our Silicone rubber material offers excellent resistance against:

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

Accreditations

- **FDA 21 CFR 177-2600 compliant**
- **BfR compliant**
- **EU 1935/2004**
- **WRAS compliant**
- **FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a) (1) (iv) (a) (1) (v) horizontal flammability test**
- **Automotive Standard PART 571MVSS302**
- **REACH compliant and ROHS compliant**

REACH COMPLIANT · COMPLIANT

QMS ISO 9001 : 2015 REGISTERED

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

E-mail: sales@rubbermanufact.com Http://www.rubbermanufact.com TeL:+86 18005162255

Nanjing YuHangrubber company limited in China Jiangshu

Properties	Test Method	30°	40°	50°	60°	70°	80°
Tensile Strength	ISO 37 type 2	8.0 MPa	9.0 MPa	9.0 MPa	10.0 MPa	10.0 MPa	7.0 MPa
Elongation at Break	ISO 37 type 2	500%	525%	450%	400%	320%	215%
Tear Strength (N/mm)	ASTM D624	16.0	23.0	18.0	22.0	20.0	17.0
Compression Set (24h, 150°C)	DIN/ISO 815 type B	23%	25%	15%	13%	9%	18%
Compression Set (22h, 300°F)	ASTM D395 method B type 2	20%	22%	16%	10%	10%	16%
Working Temperature Range	-	-60°C to +230°C					
Temperature Range (Intermittent)	-	+250°C					
Brittle Point	ASTM D746	-80°C (-112°F)					
Limiting Oxygen Index	BS 2782 Part 1	24.0%					
Thermal Conductivity	VDE 0304	0.24 $W.m^{-1}.K^{-1}$					
Radiation Resistance	-	>10^5 Grays (10^7 Rads) typical					
Dielectric Strength	VDE 0303	23 $kV.mm^{-1}$					
Dielectric Constant	VDE 0303	2.9					
Dissipation Factor	VDE 0303	$3x10^{-4}$					
Volume Resistivity	VDE 0303	$3x10^{15}$ Ω.cm					

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