Translucent Silicone Sheet

Silicone Sealing Gasket Material



The Translucent Silicone Sheet has excellent resistance to ozone, oxidation, UV, corona discharge, cosmic radiation, ionising radiation and weathering in general. Applications of the Translucent Silicone Sheet: Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, HVAC, Lighting, Marine. NB: Care should be taken in selecting the most suitable quality for each individual application.

Features

- Resistance to ozone
- Resistance to oxidation
- Resistance to Cosmic Radiation

Availability

- Available in standard thicknesses of 1mm 20mm
- · Colours available: Translucent, Blue, White, Red, Black
- Available as custom kiss-cut parts on rolls

Typical Physical Properties

| Property | Test Method | Silicone |
|-----------------------|----------------|----------------------------------|
| Brittle Point | ASTM D746 | -8o·c (-112"F) |
| Limiting Oxygen Index | BS 2782 Part 1 | 24.0% |
| Thermal Conductivity | | 0.24 W.m-1 .K-1 |
| Radiation Resistance | | >IOS Grays (107 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 | 3x10150.cm |
| Temprature | | -60"C+230"C intermittent |

Benefits

- Excellent resistance to temperature extremes
- Thermal Conductivity: 0.24 W.m-1 .K-1
- Radiation Resistance: >105 Grays (107 Rads) typical
- fully compliant to FDA 177.2600 and EC 1935/2004 ideal for direct food contact

Recommended Uses

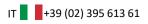
 Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, HVAC, Lighting, Marine

Electrical and Mechanical Information

| Property (unit) | Test Method | Silicone |
|---|--|------------|
| Hardness Shore A ±5 | ASTM D2240 DIN ISO 7619-1 | 60 |
| Tensile Strength Mpa (Psi) | ISO 37 Type 1 ASTM D412 die C DIN 53504 type SI | 10.0(1450) |
| Elongation to failure (%) | ISO 37 Type 1 ASTM D412 die C DIN 53504 type SI | 400 |
| Tear Strength (N/nm) | ASTM D624 die B | 22 |
| Compression Set 24hrs @ 150•c % 24hrs @ 150•c % | BS903 PT A6 type B DIN/ISO 815 type B 22hrs @ 300•c " 10 ASTM D395 method B Type 2 | 13 10 |



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