

Raycoshield

A product of Rayco Technologies



RAYCOSHIELD

Silicone rubber based EMI shielding elastomeric material

Dispense-in-Place Gasket (DIPG) material for high output and precision sealing applications

Raycoshield is a custom formulation meeting Electromagnetic Interference (EMI) shielding requirements for the fabrication of elastomeric components and sealing parts used in the electronics and telecommunications industries.

Raycoshield features

Silicon rubber based

Hard but flexible material

Highly compressible

Excellent shielding effectiveness

Good thermal stability

Good adhesion to metal and plastics substrates

Material Specifications

Physical

| Properties | Test Method | Units | Value |
|----------------------|-------------|-------|----------------|
| Chemical Composition | - | - | Silicone based |
| Physical Form @ R.T | - | - | Liquid Paste |
| Color | - | - | Dull Cream |
| Specific Gravity | ASTM D792 | - | 2.6 |

Mechanical

| Properties | Test Method | Units | Value |
|--------------------|-------------|--------------|--------------|
| Hardness (Shore A) | ASTM D2240 | - | 76 |
| Tensile Strength | ASTM D412 | MPa (psi) | 2.5 (365) |
| Elongation @ Break | ASTM D638 | % | 500 |

Shielding Effectiveness Data

| Properties | Test Method | Units | Value |
|-------------------------|-------------|-------|---------|
| Shielding Effectiveness | ASTM D4935 | dB | 65 - 90 |



The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking the supplies immediately on receipt. The user shall evaluate and determine whether the product is suitable for the intended applications. We reserve the rights to alter product constants within the scope of technical progress or new developments. In no case will Rayco be liable for any special, incidental, or consequential damages based on breach of warranty or contract, negligence, strict tort, or any other theory.

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