

Jagolit 50

Heat Shield Filler Material

Description

Jagolit 50 is a medium density, highly inorganic material with excellent heat and flame resistance, and low thermal conductivity. It is intended for use as a general purpose insulating filler material in 3-part heat shield construction, and can withstand a maximum temperature of 500°C. It is available in 0.8 and 1.0 mm thicknesses; other thicknesses may be subject to a minimum order quantity.

Specification Properties

| Property | Value | Method |
|---------------------------------------|-----------------------|-------------|
| Density, g/cc(lb/cu.ft) | 0.95 - 1.15 (59 - 72) | ASTM F 1315 |
| Compressibility, % (at 6.9MPa) | 10 (min.) | ASTM F 36 |
| Recovery, % | 20 (min.) | ASTM F 36 |
| Tensile Strength, AMD, MPa(psi) | 1.5 (220) (min.) | ASTM F 152 |
| Weight Loss on Ignition, % (at 600°C) | 15 - 20 | ASTM F 495 |
| Thermal Conductivity, W/m.K | 0.15 (Typical Value) | ASTM F 433 |
| Flame Resistance | DNI (Typical Value) | SAE J 369 |

Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 3 materials. Items denoted (Typical Value) are provided for design purposes, but are not tested on a statistical basis.

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