

# Jagolit AS

## Heat Shield Filler Material

### Description

Jagolit AS is a medium density, highly inorganic material with excellent heat and flame resistance, and low thermal conductivity. It is intended for use as an insulating filler material in 3-part heat shield construction, and was designed specifically to minimize odor and smoke on first heat-up. It can withstand a maximum temperature of 1000°C and is available in thicknesses between 0.7 and 1.0 mm.

### Specification Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.75 - 0.95 (47 - 59)	ASTM F 1315
Compressibility, % (at 6.9MPa)	10 - 22	ASTM F 36
Recovery, %	25 - 45	ASTM F 36
Tensile Strength, AMD, MPa(psi)	1.2 (175) (min.)	ASTM F 152
Weight Loss on Ignition, % (at 600°C)	18 - 25	ASTM F 495
Thermal Conductivity, W/m.K	0.10 (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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