

Datasheet

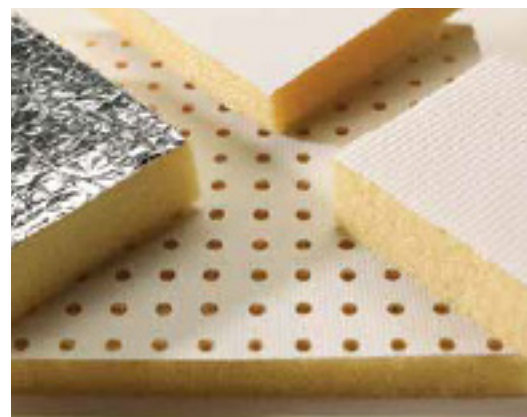
SOLIMIDE® TA-301



SOLIMIDE® TA-301 polyimide foam is utilized in marine, commercial and industrial markets as lightweight, non-flammable, thermal and acoustic insulation. Applications vary and include, marine hullboard, commercial HVAC duct liner, insulation for rail cars and expansion and contraction joints in cryogenic applications. SOLIMIDE® TA-301 foam can be cut into a variety of shapes and sizes, then faced or coated to meet end user requirements.

Specifications/ Certificates

- DOD-I-24688
- NFPA 130, US FRA and FTA (Docket 90-A)
- Fire-restricting materials per the International Maritime Organization (IMO) High Speed Craft code in accordance with the IMO Resolution MSC.40(64)
- ASTM C 1482
- SOLIMIDE® Foams may meet additional specifications that are not listed here. Please contact us to determine if it meets your specifications or other requirements.



Properties	Units	Values	Testing
Typical Density*	kg/m ³ (lb/ft ³)	6.4 (0.40)	ASTM D3574 Test A, ISO 845
Flame Spread Index		< 5	ASTM E84
Smoke Developed Index		< 5	ASTM E662
Limiting Oxygen Index	%	> 28	ASTM D2863, ISO 4589-2: 1999
Noise Reduction Coefficient (NRC), 25mm (1in)		0.7	ASTM C423 and E795, Mounting A
Max Continuous Use Temperature	°C (°F)	200 (400)	
Thermal Conductivity at 24°C (75°F)	W/mK (BTU-in/hr-ft ² -°F)	≤ 0.046 (0.32)	ASTM C518
50% Compression Force Deflection	kPa (lb/in ²)	8.3 (1.2)	ASTM D3574, Test C

*Subject to normal manufacturing variation

The information included in this data sheet is believed to be accurate and reliable. Boyd assumes no responsibility for end use applications and no performance warranty is express or implied.