

## SOLIMIDE® DENSIFIED DATA SHEET

SOLIMIDE® Densified polyimide foams are utilized in commercial and industrial markets when the high temperature, non-flammable and formaldehyde-free properties of lightweight polyimide foam are desired, but enhanced mechanical or thermal properties are needed. High temperature gaskets and tubing for sensitive instrumentation are examples of applications, as well as high temperature equipment and bleed air duct insulation on aircraft. Densified foam is also used in rugged utility laptops where insulation space is limited. Both SOLIMIDE® HT-340 and TA-301 foams are available in densified form. A variety of shapes and sizes are offered, facings or coatings are easily applied to meet end use requirements.



### SPECIFICATIONS / CERTIFICATES

- ASTM C 1594
- SOLIMIDE® Densified foam 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
Density	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	1 - 4 (16 - 64)	ASTM D3574 Test A, ISO 845
Max Continuous Use Temperature HT Densified	°F (°C)	575 (300)	
Max Continuous Use Temperature TA Densified	°F (°C)	400 (200)	
Smoke Developed Index HT Densified		< 5	ASTM E662
Smoke Developed Index TA Densified		< 10	ASTM E662
Flame Spread Index		< 5	ASTM E162
FAA Radiant Panel FAR 25.856 (a)		Pass	
Thermal Conductivity at 75°F (24°C)	BTU-in/hr-ft <sup>2</sup> -°F (W/mK)	0.22 (0.032)	ASTM C518
20% Compression Force Deflection	lb/in <sup>2</sup> (kPa)	1.9 - 3.2 (6.9 - 22.1)	ASTM D3574 Test C

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

\* Subject to normal manufacturing variation  
BC.2020.2