

## CFOAM<sup>®</sup> Typical Properties (U.S. Standard)

Property	Test Method	Units	CFOAM20	CFOAM25	CFOAM30
<b>Nominal Density</b>	ASTM D 1622	lbs/ft <sup>3</sup>	20	25	30
<b>Compressive Strength</b>	ASTM C 365	psi	876	1,500	2,327
<b>Compressive Modulus</b>	ASTM C 365	ksi	241	308	375
<b>Tensile Strength</b>	ASTM C 297	psi	326	518	756
<b>Tensile Modulus</b>	ASTM C 297	ksi	248	289	329
<b>Shear Strength</b>	Torsion Shear	psi	190	245	300
<b>Coefficient of Thermal Expansion</b>	ASTM E 228	ppm/°F	2.8	2.8	2.8
<b>Thermal Conductivity</b>	ASTM E 1225 / Laser Flash	W/m-K	77°F: 0.3 932°F: 0.70 1832°F: 1.0 3632°F: 4.0	77°F: 0.4 932°F: TBD 1832°F: TBD 3632°F: TBD	77°F: 0.5 932°F: TBD 1832°F: TBD 3632°F: TBD
<b>Maximum Operational Use Temperature</b>	<i>Application Dependent</i>	°F	Extended Use: 700 - Air 5,500 - Inert	Extended Use: 700 - Air 5,500 - Inert	Extended Use: 700 - Air 5,500 - Inert
<b>Electrical Resistivity</b>	ASTM D 4496	ohm-in	Std. Product: 2.7x10 <sup>-2</sup> Tailorable from 8x10 <sup>-4</sup> to 8x10 <sup>5</sup>	Std. Product: 2.7x10 <sup>-2</sup> Tailorable from 8x10 <sup>-4</sup> to 8x10 <sup>5</sup>	Std. Product: 2x10 <sup>-2</sup> Tailorable from 8x10 <sup>-4</sup> to 8x10 <sup>5</sup>
<b>Fire Resistance</b>	ISO 1182 ASTM E1354. E119 IMO FTP Pt I & III UL1709	N/A	PASS	PASS	PASS

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