

## CFOAM<sup>®</sup> Typical Properties (Metric)

Property	Test Method	Units	CFOAM20	CFOAM25	CFOAM30
<b>Nominal Density</b>	ASTM D 1622	g/cc	0.32	0.40	0.48
<b>Compressive Strength</b>	ASTM C 365	kPa	6,037	10,337	16,042
<b>Compressive Modulus</b>	ASTM C 365	MPa	1,665	2,121	2,586
<b>Tensile Strength</b>	ASTM C 297	kPa	2,250	3,573	5,214
<b>Tensile Modulus</b>	ASTM C 297	MPa	1,708	1,996	2,266
<b>Shear Strength</b>	Torsion Shear	kPa	1,310	1,690	2,065
<b>Coefficient of Thermal Expansion</b>	ASTM E 228	ppm/°C	5.0	5.0	5.0
<b>Thermal Conductivity</b>	ASTM E 1225 / Laser Flash	W/m-K	25°C: 0.3 500°C: 0.70 1000°C: 1.0 2000°C: 4.0	25°C: 0.4 500°C: TBD 1000°C: TBD 2000°C: TBD	25°C: 0.5 500°C: TBD 1000°C: TBD 2000°C: TBD
<b>Maximum Operational Use Temperature</b>	<i>Application Dependent</i>	°C	Extended Use: 370 - Air 3,040 – Inert	Extended Use: 370 - Air 3,040 – Inert	Extended Use: 370 - Air 3,040 – Inert
<b>Electrical Resistivity</b>	ASTM D 4496	ohm-cm	Std. Product: $7 \times 10^{-2}$ Tailorable from $2 \times 10^{-3}$ to $2 \times 10^6$	Std. Product: $6 \times 10^{-2}$ Tailorable from $2 \times 10^{-3}$ to $2 \times 10^6$	Std. Product: $5 \times 10^{-2}$ Tailorable from $2 \times 10^{-3}$ to $2 \times 10^6$
<b>Fire Resistance</b>	ISO 1182 ASTM E1354. E119 IMO FTP Pt I & III UL1709	N/A	PASS	PASS	PASS

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