



## **Material Properties for CI-7™ Polyethylene Closures**

CI-7 closures are made from laminated sheets of irradiated cross-linked, closed cell polyethylene foam, which exhibits excellent thermal and acoustic insulating properties. It is highly resistant to U.V. and chemical breakdown, and is available in several colors.

### Typical CI-7 Foam Properties

Nominal Density (pcf)	2.0
Tensile Strength (psi)	44-51
Elongation (% to break)	140-150
Tear Resistance (lb. per inch)	8-13
Compression Strength (psi) (25% deflection)	7
Compression Set 50% (% of original thickness)	15-22
Thermal Conductivity (btu/hour/ft <sup>2</sup> in °F)	0.26-0.27
Working Temperature Range	-70° to 175° F
Water Absorption (lb./ft <sup>2</sup> cut surface)	max. .06
Durometer (Shore 00)	51
Flammability (MVSS302)	PASS

Testing done according to ASTM D3575 and ASTM 2240 (Durometer) and ASTM C177 (thermal conductivity) standards. Test methods available upon request. All data is typical. All values +/- 10%.