

**TRADE NAME:**

**ECOSHIELD**

**DESCRIPTION:**

Polyolefin Foam Insulation  
(A flexible, polymer based, low density,  
closed cell, chemically inert pipe insulation)

**PHYSICAL PROPERTIES:**

<b>Color</b>	Black	
<b>Temperature Limits</b>	Maximum 200°F	Minimum 0°F
<b>Density (Dry)</b>	1.5 lbs/ft <sup>3</sup>	
<b>Water Absorption</b>	Less than 1% (by volume)	
<b>Water Vapor Permeability</b>	Less than 0.05 perm-in	
<b>Shrinkage @ 200°F</b>	4%	
<b>Mold Growth/Humidity; Air Erosion</b>	No mold growth; No erosion	
<b>Flame Spread - ASTM E84</b>	25 or less (up to 1" wall)	
<b>Smoke Developed - ASTM E84</b>	50 or less (up to 1" wall)	
<b>Thermal Conductivity</b>	Mean Temperature °F 75°F	"k" Value 0.25 Btu-in/hr-ft <sup>2</sup> -°F

**Standard Sizes:**

1/4" CTS through 3" CTS – 3/8" Wall  
1/4" CTS through 4" IPS – 1/2" & 3/4" Wall  
1/4" CTS through 3 1/2" CTS – 1" Wall  
6' lengths.

**Uses:**

Longitudinally semi-slit pipe insulation. Used primarily  
for domestic hot and cold water and HVAC/R piping.

**Specification Compliance:**

ASTM C 534\*, ASTM E 162, ASTM E 662,  
CAN/ULC-S102.2-M88 (25/50), NFPA 90A/B  
UL 94 HBF.

\*ASTM C 534 is limited to elastomeric materials. ECOSHIELD meets or exceeds  
the physical requirements listed in ASTM C 534 with the exception of density.