

TRADE NAME:

ECOSHIELD

DESCRIPTION:

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

PHYSICAL PROPERTIES:

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

