



PE-INSULATED COPPER TUBE (Type B)



Our PE-insulated copper tube is produced in our Hartselle, Alabama, factory and features fire retardant insulation and an abrasion and chemical resistant external layer.

ICOOL Insulation System

- ▶ Fire Retardant Insulation layer
- ▶ Embossed polyethylene film for abrasion resistance
- ▶ External layer is non-toxic, chemical resistant, and UV resistant
- ▶ Working temperature is -40° F to 248° F
- ▶ Plain end or flared end

ICOOL PE Insulation Specifications

ITEM	ICOOL INSULATION	TEST METHOD
Cell Structure	Closed Cell	N/A
Density	0.028 ~ 0.032 G/CM3 (1.75-2 lbs/ft3)	ASTM D1667
Temperature Range	-40°C - 110°C (-104°F to 230°F)	N/A
Water Vapor Permeability	Less than 0.1 MG/CM2	ASTM C355
Water Absorption Volume	0.042 MG/CM2 or Less	ASTM C209
Thermal Conductivity	0.037 Kcal/M2H°C or Less	ASTM C518
Flammability	ASTM E84 25/50	ASTM E84 25/50
UV Weather Resistance	Excellent	ASTM G154
Ozone Resistance	No Cracking	ASTM D1171
Smoke Density	Self Extinguishing	ASTM D635
Flexibility	Excellent	N/A
Copper Tube	Commercial Grade Refrigeration Tubing(ASTM B280 & ASTM B743 & ASTM B88)	
"R" Values	3/8" - R2.3 1/2" - R3.3 3/4" - R5.2	