

Unifrax FyreWrap® Cable Insulation

Category : Ceramic , Oxide , Magnesium Oxide , Silicon Oxide

Material Notes:

Unifrax's FyreWrap® Cable Insulation is a thin, flexible, insulation wrap designed to provide a fire-protective enclosure around cable trays and conduit. The FyreWrap system ensures electrical circuit integrity during exposure to an external hydrocarbon fire, permitting continued operation or controlled shutdown of critical equipment during emergency conditions. This system is FM Global approved and meets ASTM E-1725 "Fire Tests of Fire-Resistive Barrier Systems for Electrical System Components," the newest industry standard, requiring the highest level of performance for trays with zero to full cable loading. The system also meets ASTM E-1529 and provides circuit integrity ratings. FyreWrap complies with API and ExxonMobil specifications on fireproofing for petroleum and petrochemical processing plants.

Product Components
Core Material: FyreWrap Cable Insulation products incorporate Insulfrax® Thermal Insulation as its core material. Insulfrax is a high-temperature insulation made from calcia, magnesia, silica chemistry designed to enhance biosolubility. It provides excellent insulation in a noncombustible blanket form.
Encapsulating Material: The core insulation is completely encapsulated in an aluminum foil, fiberglass-reinforced scrim covering. This scrim provides additional handling strength as well as protection from tearing and moisture absorption. For outdoor installations, additional weather protection should be considered.

Typical System Properties
 FM Global Approved - Wrap for Grouped Electrical Cables
 API 2218 "Fireproofing Practices in Petroleum and Petrochemical Processing Plants" - complies
 ExxonMobil GP14-03-01 "Fireproofing" Specification - complies
 Fire Exposure - Hydrocarbon Fire per ASTM E-1529
 Circuit Integrity - per ASTM E-1529
 Temperature Integrity - per ASTM E-1725
 Cable Loading - Empty to Fully Loaded Trays
 Fire Rating - 30, 45, 60 minutes
 ASTM E-84 Surface Burning Characteristics: (1) Unfaced Core: Flame/Smoke Rating = Zero, (2) FyreWrap: Flame/Smoke Rating < 25-50

Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-FyreWrap-Cable-Insulation.php

Physical Properties	Metric	English	Comments
Density	0.128 g/cc	0.00463 lb/in ³	
Thickness	38100 microns	1500 mil	
	50800 microns	2000 mil	

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