

PolyOne FireCon™ CPE 1240 UV RoHS NATURAL Polyethylene, Chlorinated (CPE)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

An excellent choice for low-voltage power-and-cable control cables, this RoHS compliant filled, flexible thermoplastic CPE jacketing compound offers wire and cable manufacturers the advantages of thermoplastic extrusion processing without the need to invest in continuous vulcanization (CV) equipment. CPE 1240 UV RoHS Natural is excellent for larger-diameter cable. This compound passes testing for heat/shock resistance, which requires cable to withstand being bent and twisted without cracking or showing stress. Good moisture, oil, and electrical properties. Applications include power-and-control cable for fossil-fuel and co-generation plants. Note: Natural - Typical processing temperatures range between 290°-330°F depending upon screw design. Contact Technical Service for recommendation for specific equipment. Note: Pre-drying is recommended for 4 hours at 175°-185°F. NOTE: Typical Properties of Molded Slab (0.075); Not to be Construed as Specifications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-FireCon-CPE-1240-UV-RoHS-NATURAL-Polyethylene-Chlorinated-CPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	48	48	10 sec; ASTM D2240
Tensile Strength at Break	16.5 MPa	2390 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	500 %	500 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.00896 GPa	1.30 ksi	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Oxygen Index	33 % @Thickness 1.91 mm	33 % @Thickness 0.0752 in	ASTM D2863

Descriptive Properties	Value	Comments
Additive	UV Stabilizer	
Appearance	Pellets/Cubes	ASTM D2090
Change in Tensile Strain at Break	88%	IEC 60811-2-1; 70°C, 24 hr, in IRM 902 Oil
Change in Tensile Stress	60%	IEC 60811-2-1; 70°C, 24 hr, in IRM 902 Oil
Features	Flame Retardant	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	CPE	
Generic Name	Polyethylene, Chlorinated (CPE)	
Processing Method	Extrusion	
Regional Availability	Asia Pacific	
	North America	
	South America	
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Wire & Cable Applications	

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