

Borealis PC0787 Polyethylene Insulation Compound, Crosslinkable

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

PC0787 is a flame retardant crosslinking polyethylene compound for low voltage insulation. PC0787 contains flame retardant additives to reduce normal flame spread characteristics so as to achieve a VW-1 flame resistance rating when tested according to the UL 44 Vertical Flame test on 14 AWG/45Mils wires. PC0787 contains a slower peroxide and therefore provides wider processing latitude. It is recommended for control cable insulation. Specifications: Underwriters Laboratories Standards 44 and 854. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-PC0787-Polyethylene-Insulation-Compound-Crosslinkable.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 11.8 MPa	>= 1710 psi	after aging (168h, 150°C); ASTM D412
	13.1 MPa	1900 psi	ASTM D412
Elongation at Break	275 %	275 %	ASTM D412

Thermal Properties	Metric	English	Comments
Oxygen Index	27 %	27 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	ASTM D257
Dielectric Constant	2.75	2.75	ASTM D150
	@Frequency 60000 Hz	@Frequency 60000 Hz	
Dielectric Strength	>= 550 kV/mm	>= 14000 kV/in	ASTM D149
Dissipation Factor	0.0026	0.0026	ASTM D150
	@Frequency 60000 Hz	@Frequency 60000 Hz	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	116 - 127 °C	241 - 261 °F	
Shelf Life	12.0 Month	12.0 Month	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China