

Borealis LE4217 Polyethylene Compound, Crosslinkable, Track Resistant

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LE4217 is a black crosslinkable polyethylene compound designed for track resistant power cable insulation and jacketing. APPLICATION: LE4217 contains carbon black and UV stabilizer and specifically suited for outdoor installations such as OC cables. LE4217 is suitable as a jacket or insulation, for power cables rated up to 35kV. However it is recommended that for cables rated above 12kV, that a suitable conductor shield such as LE0594 or LE0595 be used for optimum performance. Specifications: ICEA S-94-649. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-LE4217-Polyethylene-Compound-Crosslinkable-Track-Resistant.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	base resin; ASTM D2839

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 300 %	>= 300 %	after aging 500h, 150°C; ASTM D638
	>= 360 %	>= 360 %	after xenon aging 2000h, 23°C; ASTM D2565
	400 %	400 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	ASTM D257
Dielectric Breakdown	>= 3500 V	>= 3500 V	Tracking Resistance; ASTM D2303
Dissipation Factor	0.00020	0.00020	ASTM D150
	@Frequency 60000 Hz	@Frequency 60000 Hz	
Track Resistance	>= 1.08e+6 sec	>= 1.08e+6 sec	ASTM D2132

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	

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