

Borealis Visico™ ME4425/LE4462 Scorch Retardant Silane Crosslinkable MDPE Track Resistant Cable Insulation

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Extruded

Material Notes:

Visico ME4425/LE4462 is a combination of LE4425, a Medium Density Visico base resin and a masterbatch, LE4462, which contains catalyst, carbon black, UV stabilizers and antioxidants. The LE4462 masterbatch accelerates the moisture-induced crosslinking reaction and imparts track resistance, resistance to degradation by ultraviolet light stability to the final product. Visico ME4425/LE4462 is designed for use as a track resistant insulation for the outer layer of Spacer Aerial Cables and as insulation for Partial Insulated Cables. Although it has been used alone as insulation for cables rated at voltages as high as 35kV, it is recommended that a conductor shield such as LE540 be used for cables rated at voltages above 12 kV or where required by the applicable electrical code. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Visico-ME4425LE4462-Scorch-Retardant-Silane-Crosslinkable-MDPE-Track-Resistant-Cable-Insulation.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.935 g/cc	0.935 g/cc	ASTM D1928 C/D 1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength, Yield	>= 13.8 MPa	>= 2000 psi	Heat Aging (7 days at 121°C); ASTM D638
	16.2 MPa	2350 psi	At 20 in/min; ASTM D638
Elongation at Break	255 %	255 %	Heat Aging (7 days at 121°C); ASTM D412
	300 %	300 %	At 20 in/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	>= 31.5 kV/mm	>= 800 kV/in	At 40 mils; ASTM D149
Track Resistance	1.08e+6 sec	1.08e+6 sec	Dust and Fog; ASTM D2132

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	>= 180 °C	>= 356 °F	

Processing Properties	Metric	English	Comments
Die Temperature	>= 191 °C	>= 375 °F	
Head Temperature	>= 190 °C	>= 374 °F	

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