

Borlink™ LE0500EHV

Polyethylene

Borealis AG

Message:

Borlink LE0500EHV is a Supersmooth ready-to-use semiconductive compound, specially designed for semiconductive conductor screen and bonded insulation screen of energy cables.

General Information			
Additive	Carbon black		
Features	Crosslinkable		
	Thermal stability, good		
Uses	Wire and cable applications		
	Insulating material		
Agency Ratings	AEIC CS9		
	ICEA S-108-720		
	IEC 62067		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
1% weight loss (TGA)	100	ppm	Karl Fisher
Thermoset ¹ (200°C)	25	%	IEC 60811-507
Gottfert Elastograph	1.4	N · m	ISO 6502
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 15.0	MPa	ISO 527-2/25
Tensile Strain (Break)	180	%	ISO 527-2/25
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (135°C, 168 hr)	< 20	%	ASTM D573
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			
23°C	25	ohms · cm	ASTM D991, ISO 3915
90°C	50	ohms · cm	ISO 3915
Extrusion	Nominal Value	Unit	
Melt Temperature	120 - 135	°C	
Extrusion instructions			
Hopper Drying (4 h): 60°C			
NOTE			
1.	0.1 MPA		

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