

Borlink™ LE0511

Polyethylene

Borealis AG

Message:

Borlink LE0511 is a crosslinkable black polyethylene compound, specially designed for semiconductive strippable insulation screen of energy cables.

General Information			
Additive	Carbon black		
Features	Crosslinkable		
Uses	Wire and cable applications		
	Insulating material		
Agency Ratings	AEIC CS8		
	BS 6622		
	ICEA S-93-639		
	ICEA S-94-649		
	ICEA S-97-682		
	IEC 60502-2		
	NF C 33-223		
	NF C 33-226		
	UTE C 33-223		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.17	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	11.0	MPa	ISO 527-2/508
Tensile Strain (Break)	250	%	ISO 527-2/508
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (136°C, 168 hr)	< 25	%	ISO 527
Change in Tensile Strain at Break (136°C, 168 hr)	> 100	%	ISO 527
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -35.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ISO 3915
23°C	< 50	ohms · cm	ISO 3915
90°C	< 5.0E+2	ohms · cm	ISO 3915
Additional Information	Nominal Value	Unit	Test Method
Peel Force - 90° Peel	3.0 - 6.0	kN/m	AEIC CS8

Extrusion	Nominal Value	Unit
Melt Temperature	115 - 125	°C
Extrusion instructions		
Hopper Drying: 40°C		

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