

Borlink™ LE0520

Polyethylene
Borealis AG

Message:

Borlink LE0520 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		
	UL 1072		
	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	16.0	MPa	ISO 527-2/508
Tensile Strain (Break)	280	%	ISO 527-2/508
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (136°C, 168 hr)	< 10	%	ISO 527
Change in Tensile Strain at Break (136°C, 168 hr)	> 250	%	ISO 527
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -35.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D991
23°C	1.0E+2	ohms · cm	ASTM D991
90°C	3.5E+2	ohms · cm	ASTM D991
Additional Information	Nominal Value	Unit	Test Method

Cable Strip - 90° Peel			
--	30 - 60	N/cm	AEIC CS8
--	32 - 42	N/cm	Internal method
Extrusion	Nominal Value	Unit	
Melt Temperature	115 - 125	°C	
Extrusion instructions			
Hopper Drying: 40°C			

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Recommended distributors for this material

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