

Borlink™ LE0310-04

Polyethylene

Borealis AG

Message:

Borlink LE0310-04 is a crosslinkable black polyethylene compound, specially designed for semiconductive strippable insulation shield of energy cables.

General Information			
Features	Crosslinkable		
Uses	Wire and cable applications		
	Insulating material		
Agency Ratings	AEIC CS8		
	ICEA S-93-639		
	ICEA S-94-649		
	ICEA S-97-682		
	IEC 60502-2		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ASTM D1928, ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Peel Strength	1.8	kN/m	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (121°C, 168 hr)	> 25	%	ASTM D638
Change in Ultimate Elongation in Air (121°C, 168 hr)	> 100	%	ASTM D638
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	< 30	ohms · cm	ASTM D991
90°C	< 1.0E+2	ohms · cm	ASTM D991
Extrusion	Nominal Value	Unit	
Melt Temperature	115 - 125	°C	
Extrusion instructions			
Hopper Drying (4 h) 40°C			
NOTE			

1.	510 mm/min
2.	510 mm/min

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