

Borlink™ LE0504

Polyethylene

Borealis AG

Message:

Borlink LE0504 is a crosslinkable black polyethylene compound, specially designed for semiconductive conductor shield or bonded insulation shield of energy cables.

General Information			
Additive	Carbon black		
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		
	IEC 60840		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	16.5	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	> 75	%	ASTM D573
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) 60°C			
NOTE			
1.	510 mm/min		

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Recommended distributors for this material

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