

Borealis LE4147

Low Density Polyethylene

Borealis AG

Message:

LE4147 is a low density thermoplastic polyethylene compound. It is well stabilized and has the same basic flow properties as the crosslinkable compound.

General Information			
Features	Good Flow		
	Low Density		
Appearance	Natural Color		
Forms	Granules		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	13.0	MPa	ISO 527-2/250
Tensile Strain (Break)	600	%	ISO 527-2/250
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Electric Strength	22	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	2.30		IEC 60250
Dissipation Factor (1 MHz)	3.0E-4		IEC 60250

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