

BorSafe™ ME3440-D

Medium Density Polyethylene

Borealis AG

Message:

BorSafe ME3440-D is a bimodal polyethylene compound produced by the advanced Borstar technology.

BorSafe ME3440-D is classified as an MRS 8.0 material (PE80).

General Information			
Additive	Carbon black (2 to 3%)		
Features	Recyclable materials		
	Bimodal molecular weight distribution		
Uses	Industrial application		
	Piping system		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.954	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.85	g/10 min	ISO 1133
Carbon Black Dispersion			ISO 18553
Carbon Black Content	2.0 - 2.5	%	ISO 6964
Resistance to Slow Crack Growth ² (80°C)	> 2000	hr	ISO 13479
resistant to rapid crack propagation, Pc-S4 test ³ (0°C, 250 mm)	2.50	bar	ISO 13477
Oxidation Induction Time (210°C)	> 20	min	ISO 11357-6
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	800	MPa	ISO 527-2
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 600	%	ISO 527-2
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 - 210	°C	
Cylinder Zone 2 Temp.	190 - 210	°C	
Cylinder Zone 3 Temp.	190 - 210	°C	
Cylinder Zone 4 Temp.	190 - 210	°C	
Cylinder Zone 5 Temp.	190 - 210	°C	
Melt Temperature	200 - 220	°C	
Die Temperature	200 - 210	°C	
Extrusion instructions			
Head Temperature: 200 to 210°C			
NOTE			
1.	Compound		

2.	9.2 bar
3.	SDR11

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Recommended distributors for this material

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