

BorSafe™ HE3492-LS-H

Polyethylene

Borealis AG

Message:

BorSafe HE3492-LS-H is a bimodal polyethylene compound produced by the advanced Borstar technology. Long term stability is ensured by an optimised stabilisation system. It also shows excellent resistance to rapid crack propagation and slow crack growth. BorSafe HE3492-LS-H is classified as an MRS 10.0 material (PE100).

General Information			
Features	Recyclable materials		
	Good cracking resistance		
	Bimodal molecular weight distribution		
Appearance	Orange		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.951	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.27	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 600	%	ISO 527-2
Resistance to Slow Crack Growth ² (80°C)	> 1000	hr	ISO 13479
resistant to rapid crack propagation, Pc-S4 test ³ (0°C, 250 mm)	> 10.0	bar	ISO 13477
Oxidation Induction Time (210°C)	> 20	min	ISO 11357-6
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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