

BorShape™ FX1001

Linear Polyethylene Terpolymer

Borealis AG

Message:

BorShape FX1001 is a blown film grade.
It is a high alpha olefin terpolymer polyethylene film grade combining very good extrusion behaviour and superior mechanical properties, which are kept in cold conditions
BorShape FX1001 has been developed especially for applications requiring high toughness at high stiffness levels.

General Information			
Features	Recyclable Material		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.931	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.0 kg	20	g/10 min	
190°C/5.0 kg	0.90	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Dynamic)	0.40		ISO 8295
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD	350	MPa	
TD	450	MPa	
Tensile Strength			ISO 527-3
MD	50.0	MPa	
TD	40.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	450	%	
TD : Break	700	%	
Dart Drop Impact	480	g	ISO 7765-1
Instrumented Dart Impact ²	28.0	J	ISO 7765-2
Trouser Tear Resistance			ISO 6383-1
MD	60.0	N/mm	
TD	250	N/mm	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	127	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss	7		ASTM D2457
Haze	80	%	ASTM D1003
NOTE			
1.	Base Resin		
2.	Total Penetration Energy		

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