

BorShape™ FX1002

Linear Polyethylene Terpolymer

Borealis AG

Message:

BorShape FX1002 is a blown film grade.

It is a high alpha olefin terpolymer polyethylene film grade combining excellent extrusion behaviour and superior mechanical properties which are kept in cold conditions.

BorShape™ FX1002 has been specially developed to deliver high throughput while achieving high toughness and high stiffness levels.

General Information			
Features	Recyclable Material		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.937	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.0 kg	42	g/10 min	
190°C/5.0 kg	2.0	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.40		ISO 8295
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD	450	MPa	
TD	550	MPa	
Tensile Strength			ISO 527-3
MD	55.0	MPa	
TD	40.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	550	%	
TD : Break	750	%	
Dart Drop Impact	250	g	ISO 7765-1
Instrumented Dart Impact ²	18.0	J	ISO 7765-2
Trouser Tear Resistance			ISO 6383-1
MD	35.0	N/mm	
TD	200	N/mm	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	113	°C	ISO 306
Melting Temperature	128	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss	10		ASTM D2457
Haze	60	%	ASTM D1003
NOTE			
1.	Base Resin		

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