

BFI 6420

High Density Polyethylene
Blueridge Films Inc.

Message:

BFI 6420 is a High Density Polyethylene material. It is available in North America.

General Information			
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	2.0	g/10 min	
190°C/21.6 kg	55	g/10 min	
Films	Nominal Value	Unit	Test Method
Secant Modulus ¹			ASTM D882A
1% Secant, MD : Blown Film	0.862	MPa	
2% Secant, MD : Blown Film	0.689	MPa	
1% Secant, TD : Blown Film	0.883	MPa	
2% Secant, TD : Blown Film	0.703	MPa	
Tensile Strength ²			ASTM D882A
MD : Yield,Blown Film	26.2	MPa	
TD : Yield,Blown Film	27.6	MPa	
MD : Break,Blown Film	51.7	MPa	
TD : Break,Blown Film	23.4	MPa	
Tensile Elongation ³			ASTM D882A
MD : Break,Blown Film	700	%	
TD : Break,Blown Film	700	%	
Dart Drop Impact (Blown Film)	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : Blown Film	24	g	
TD : Blown Film	390	g	
Water Vapor Transmission Rate (38°C, Blown Film)	0.098	g · mm/m ² /atm/24 hr	ASTM F1249
NOTE			
1.	25 mm/min		
2.	51 mm/min		
3.	51 mm/min		

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