BFI 4170

Polypropylene Impact Copolymer

Blueridge Films Inc.

Message:

BFI 4170 is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in North America. Primary attribute of BFI 4170: Copolymer. Typical application of BFI 4170: Film

General Information			
Features	Impact Copolymer		
Uses	Film		
Forms	Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus			ASTM D882
2% Secant, MD : Blown Film	689	MPa	
2% Secant, TD : Blown Film	600	MPa	
Tensile Strength			ASTM D882
MD : Yield,Blown Film	26.2	MPa	
TD : Yield,Blown Film	24.8	MPa	
MD : Break,Blown Film	58.6	MPa	
TD : Break,Blown Film	37.9	MPa	
Tensile Elongation			ASTM D882
MD : Break,Blown Film	750	%	
TD : Break,Blown Film	770	%	
Dart Drop Impact (Blown Film)	350	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : Blown Film	55	g	
TD : Blown Film	300	g	
Oxygen Permeability (23°C, Blown Film, 0% RH)	53	cm³·mm/m²/atm/24 hr	ASTM D3985
Water Vapor Transmission Rate (38°C, Blown Film, 100% RH)	0.18	g·mm/m²/atm/24 hr	ASTM F1249
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	160 to 165	°C	DSC

Recommended distributors for this material

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