Borclear™ RB707CF

Polypropylene Random Copolymer

Borealis AG

Message:

Borclear RB707CF is a random copolymer.
This grade is suitable for the manufacturing of unoriented film on blown film lines.

General Information	
Features	Additive Free
	Heat Sterilizable
	High Clarity
	High Gloss
	Low Temperature Heat Sealability
	Pleasing Surface Appearance
	Random Copolymer
Uses	Film
	Food Packaging
	Labels
	Laminates
	Non-oriented Film
	Packaging
	Sealants
Processing Method	Blown Film
	Coextruded Film

Physical	Nominal Value	Unit	Test Method
Density	0.900 to 0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus (23°C, Injection Molded)	800	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	> 0.70		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Film Puncture Force (50 µm)	850	N	ISO 7765-2
Tensile Modulus			ISO 527-3
MD : 50 µm	750 to 850	MPa	
TD : 50 µm	750 to 850	MPa	
Tensile Strength			ISO 527-3

MD : 50 µm	30.0 to 50.0	MPa	
TD : 50 µm	35.0 to 55.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	700 to 800	%	
TD : Break, 50 µm	700 to 800	%	
Instrumented Dart Impact (50 µm, Total Energy)	5.00	J	ISO 7765-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature [1]	125	°C	ISO 306/A50
Melting Temperature (DSC)	143 to 147	°C	ISO 3146
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (20°, 50.0 µm)	> 70		ASTM D2457
Haze (50.0 µm)	< 8.0	%	ASTM D1003
NOTE			
1.	Injection molded specimen, 23°C		

Recommended distributors for this material

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