

Borealis PP BA110CF

Polypropylene Copolymer

Borealis AG

Message:

BA110CF is a heterophasic copolymer.

This grade is suitable for the manufacturing of unoriented film on blown film lines.

General Information	
Features	Copolymer Good Heat Seal Good Impact Resistance Good Toughness Low Gel Low Temperature Impact Resistance Med.-Wide Molecular Weight Distrib.
Uses	Film Food Packaging Laminates Non-oriented Film Oriented Film Stationary Supplies
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Blown Film Coextrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.85	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	1200	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD : 50 µm	500	MPa	
TD : 50 µm	600	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	40.0 to 60.0	MPa	
TD : 50 µm	30.0 to 50.0	MPa	

Tensile Elongation			ISO 527-3
MD : Break, 50 μ m	550	%	
TD : Break, 50 μ m	750	%	
Instrumented Dart Impact (50 μ m, Total Energy)			ISO 7765-2
	25.0	J	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	166	$^{\circ}$ C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (50.0 μ m)	> 3		ASTM D2457
Haze (50.0 μ m)	< 40	%	ASTM D1003

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