

Borealis PP BD212CF

Polypropylene Copolymer

Borealis AG

Message:

BD212CF is a heterophasic copolymer.
This grade is suitable for the manufacturing of unoriented films on cast and tubular quench film lines.

General Information			
Features	Copolymer		
	Good Heat Seal		
	Good Processability		
	Low Temperature Impact Resistance		
	Med.-Wide Molecular Weight Distrib.		
	Ultra High Toughness		
Uses	Cast Film		
	Film		
	Food Packaging		
	Labels		
	Laminates		
	Non-oriented Film		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	950	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ISO 527-3
Tensile Modulus			
MD	590	MPa	
TD	520	MPa	ISO 527-3
Tensile Strength			
MD : 50 µm	50.0	MPa	
TD : 50 µm	30.0	MPa	ISO 527-3
Tensile Elongation			
MD : Break, 50 µm	700	%	
TD : Break, 50 µm	600	%	

Instrumented Dart Impact (50 µm, Total Energy)	30.0	J	ISO 7765-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	
23°C	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	166	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm)	> 7		ASTM D2457
Haze (50.0 µm)	< 25	%	ASTM D1003

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