

Borealis PP HD204CF

Polypropylene Homopolymer

Borealis AG

Message:

HD204CF is a homopolymer film resin, suitable for the manufacturing of unoriented film on chill roll process.

General Information			
Features	Good Processability		
	Heat Sterilizable		
	High Stiffness		
	Homopolymer		
	Med.-Wide Molecular Weight Distrib.		
	Opticals		
Uses	Film		
	Food Packaging		
	Laminates		
	Non-oriented Film		
	Packaging		
	Stationary Supplies		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	1350	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	> 0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD : 50 µm	700	MPa	
TD : 50 µm	700	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	45.0	MPa	
TD : 50 µm	35.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	600	%	
TD : Break, 50 µm	700	%	

Instrumented Dart Impact (50 µm)	10.0	J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	162	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm)	> 120		ASTM D2457
Haze (50.0 µm)	< 2.0	%	ASTM D1003

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