

Borealis PP RD204CF

Polypropylene Random Copolymer

Borealis AG

Message:

RD204CF is a random copolymer.
This grade is suitable for the manufacturing of unoriented films on chill roll processes.

General Information			
Features	Narrow Molecular Weight Distribution		
	Random Copolymer		
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)	950	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	> 0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD : 50 µm	600	MPa	
TD : 50 µm	600	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	40.0	MPa	
TD : 50 µm	30.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	550	%	
TD : Break, 50 µm	600	%	
Instrumented Dart Impact (50 µm, Total Energy)	17.0	J	ISO 7765-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Melting Temperature	150	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 μm)	> 130		ASTM D2457
Haze (50.0 μm)	< 1.5	%	ASTM D1003

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