

Borealis PP RD234CF

Polypropylene Random Copolymer

Borealis AG

Message:

RD234CF is a random copolymer.
This grade is suitable for the manufacturing of unoriented films on chill roll processes.
RD234CF contains antiblock and slip agents.

General Information			
Additive	Antiblock (1800 ppm) 2		
	Slip (2000 ppm) 3		
Features	Narrow Molecular Weight Distribution		
	Random Copolymer		
Uses	Film		
	Food Packaging		
	Laminates		
	Non-oriented Film		
	Packaging		
	Stationary Supplies		
Forms	Pellets		
Processing Method	Cast Film		
	Film Extrusion		
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)	1000	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.15		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ISO 527-3
Tensile Modulus			
MD : 50 µm	600	MPa	
TD : 50 µm	600	MPa	ISO 527-3
Tensile Strength			
MD : 50 µm	40.0	MPa	
TD : 50 µm	30.0	MPa	ISO 527-3
Tensile Elongation			

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)	4.1	kJ/m ²	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)	> 120		ASTM D2457
Haze (50.0 μm)	< 2.0	%	ASTM D1003

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