

Borealis PP RD734CF

Polypropylene Random Copolymer

Borealis AG

Message:

RD734CF is a random copolymer.

This grade is suitable for the manufacturing of unoriented films on chill roll processes.

RD734CF contains antiblock and slip agents.

General Information			
Additive	Antiblock (1800 ppm) 2		
	Calcium Stearate		
	Slip (2100 ppm) 3		
Features	Med.-Wide Molecular Weight Distrib.		
	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)	1100	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.20		ISO 8295
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	MPa	
TD : 50 µm	35.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	550	%	

TD : Break, 50 µm	750	%	
Instrumented Dart Impact (50 µm, Total Energy)	16.0	J	ISO 7765-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	151	°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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