

Borealis PP RD735CF

Polypropylene Random Copolymer

Borealis AG

Message:

RD735CF is a random copolymer.

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

RD735CF contains antiblock and slip agents

General Information			
Additive	Antiblock (1500 ppm) 2 Calcium Stearate Slip (2000 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)	6.0	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
Tensile Modulus			ISO 527-3
MD : 50 µm	400	MPa	
TD : 50 µm	500	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	40.0	MPa	
TD : 50 µm	35.0	MPa	
Tensile Elongation			ISO 527-3
TD : Break	750	%	
MD : Break, 50 µm	550	%	

Instrumented Dart Impact (50 µm, Total Energy)	19.0	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	148	°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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