

Borealis PP RE239CF

Polypropylene Random Copolymer

Borealis AG

Message:

RE239CF is a random copolymer.
This grade is suitable for the manufacturing of unoriented films on chill roll processes.
RE239CF contains antiblock and slip agents.

General Information			
Additive	Antiblock (1800 ppm) 2		
	Calcium Stearate		
	Slip (2000 ppm) 3		
Features	Antiblocking		
	Narrow Molecular Weight Distribution		
	Random Copolymer		
	Slip		
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)	11	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	700	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.15		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD : 50 µm	400	MPa	
TD : 50 µm	400	MPa	
Tensile Strength			ISO 527-3

MD : 50 µm	35.0	MPa	
TD : 50 µm	25.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	600	%	
TD : Break, 50 µm	600	%	
Instrumented Dart Impact (50 µm, Total Energy)		J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	140	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm)	> 130		ASTM D2457
Haze (50.0 µm)	< 1.8	%	ASTM D1003

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