

# Borclear™ RE736CF

Polypropylene Copolymer

Borealis AG

Message:

Borclear RE736CF is a random copolymer.  
This grade is suitable for the manufacturing of unoriented films on chill roll processes.  
Borclear RE736CF is recommended for:  
Lamination films  
Stationary films  
Food packaging  
Textile packaging film  
Flower packaging  
Borclear RE736CF contains antiblock and slip agents.

General Information			
Additive	Antiblock (2000 ppm) 2		
	Slip (500 ppm) 3		
Features	Antiblocking		
	Narrow Molecular Weight Distribution		
	Random Copolymer		
	Recyclable Material		
	Slip		
Uses	Cast Film		
	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 (Injection Molded)	800	MPa	ISO 178
Coefficient of Friction <sup>1</sup> (vs. Itself - Static)	0.35		ISO 8295
Films	Nominal Value	Unit	Test Method

Tensile Modulus			ISO 527-3
MD : 50 µm, Cast Film	450	MPa	
TD : 50 µm, Cast Film	450	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm, Cast Film	35.0	MPa	
TD : 50 µm, Cast Film	30.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm, Cast Film	600	%	
TD : Break, 50 µm, Cast Film	600	%	
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact - Total Penetration Energy <sup>2</sup> (50.0 µm)	200	J/cm	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	145	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm, Cast Film)	> 130		ASTM D2457
Haze (50.0 µm, Cast Film)	< 1.5	%	ASTM D1003
NOTE			
1.	Cast Film		
2.	Cast Film		

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#### Recommended distributors for this material

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