

Borealis PP HD601CF

Polypropylene Homopolymer

Borealis AG

Message:

HD601CF is a homopolymer film resin, suitable for the manufacturing of unoriented film on chill roll process.
HD601CF Free of slip and antiblock and without CaStearate.

General Information			
Features	Additive Free		
	Good Gauge Control		
	Good Processability		
	Heat Sterilizable		
	High Clarity		
	High Gloss		
	Homopolymer		
Uses	Blending		
	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Non-oriented Film		
	Packaging		
Forms	Pellets		
Processing Method	Cast Film		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900 to 0.910	g/cm ³	ISO 1183
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)	1450	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	> 0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Puncture Force	1000	N	ISO 7765-2
Tensile Modulus			ISO 527-3
MD	650 to 750	MPa	
TD	650 to 750	MPa	

Tensile Strength			ISO 527-3
MD	30.0 to 50.0	MPa	
TD	25.0 to 45.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	500 to 700	%	
TD : Break	500 to 700	%	
Instrumented Dart Impact (50 µm, Total Energy)	12.0	J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	154	°C	ISO 306/A50
Melting Temperature (DSC)	162 to 166	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm)	> 120		ASTM D2457
Haze	< 2.0	%	ASTM D1003
Additional Information	Nominal Value		Test Method
Metal Adhesion ¹	Excellent		Internal Method
NOTE			
1.	Tape test		

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