

Borealis PP HD214CF

Polypropylene Homopolymer

Borealis AG

Message:

HD214CF is a homopolymer film resin, suitable for the manufacturing of unoriented film on chill roll process.
HD214CF contains antiblock but no slip agent

General Information	
Additive	Antiblock (1800 ppm) 2
Features	Antiblocking
	Good Processability
	Heat Sterilizable
	High Stiffness
	Homopolymer
	Narrow Molecular Weight Distribution
	Opticals
Uses	Film
	Food Packaging
	Laminates
	Non-oriented Film
	Packaging
	Stationary Supplies
Forms	Pellets

Processing Method	Cast Film
	Coextruded 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)	1300	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.40		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD : 50 µm	700	MPa	
TD : 50 µm	700	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	45.0	MPa	

TD : 50 μm	35.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 μm	600	%	
TD : Break, 50 μm	700	%	
Instrumented Dart Impact (50 μm, Total Energy)	10.0	J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	162	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 μm)	> 110		ASTM D2457
Haze (50.0 μm)	< 2.5	%	ASTM D1003

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