

Bormod™ HD905CF

Polypropylene Homopolymer

Borealis AG

Message:

Bormod HD905CF is a high cristallinity homopolymer film resin, based on special Borstar nucleating technology. This grade is suitable for the manufacturing of unoriented films on chill roll processes. For the cast film process it is recommended to use rather high chill roll temperatures in the range of 40-55°C to obtain the optimum film stiffness. Optical properties will not be deteriorated as with conventional homo or copolymers at these temperatures.

Bormod HD905CF is recommended for:

- Twist films
- Label films
- Lamination films
- Textile packaging film

Bormod HD905CF is optimised to deliver:

- Low haze
- Very good gloss
- Very high stiffness
- Very high temperature resistance
- Excellent planarity

General Information			
Features	Crystalline		
	High Gloss		
	High Heat Resistance		
	High Stiffness		
	Homopolymer		
	Recyclable Material		
Uses	Cast Film		
	Film		
	Labels		
	Laminates		
	Packaging		
Forms	Pellets		
Processing Method	Cast Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (Injection Molded)	2250	MPa	ISO 178
Coefficient of Friction	0.30 to 0.40		ISO 8295

Films	Nominal Value	Unit	Test Method
Film Puncture Force ¹ (50 μm)	500	N	ISO 7765-2
Tensile Modulus			ISO 527-3
MD : 50 μm, Cast Film	2100	MPa	
TD : 50 μm, Cast Film	1900	MPa	
Tensile Strength			ISO 527-3
MD : 50 μm, Cast Film	40.0 to 50.0	MPa	
TD : 50 μm, Cast Film	35.0 to 45.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 μm, Cast Film	150	%	
TD : Break, 50 μm, Cast Film	10	%	
Instrumented Dart Impact (50 μm, Cast Film, Total Energy)	1.00	J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	158	°C	ISO 306/A
Melting Temperature (DSC)	167	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 μm, Cast Film)	> 80		ASTM D2457
Haze (50.0 μm, Cast Film)	< 8.0	%	ASTM D1003
NOTE			
1.	Cast Film		

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