

Bormed™ HD800CF

Polypropylene Homopolymer

Borealis AG

Message:

Bormed HD800CF is a polypropylene homopolymer.
It is a film resin, suitable for the manufacturing of unoriented films on chill roll processes and blown films on tubular water quenching process.
Bormed HD800CF is recommended for
Pharmaceutical and medical device packaging
Primary pouches
Medical packaging
Secondary pouches
Bormed HD800CF is optimised to deliver:
High gloss
Low haze
Good mechanical properties
Very good heat deformation resistance
Water steam sterilisable
High stiffness
High water vapour barrier
Low density

General Information			
Features	High Gloss		
	High Heat Resistance		
	High Stiffness		
	Homopolymer		
	Low Density		
	Moisture Barrier		
	Steam Sterilizable		
Uses	Medical Packaging		
	Pharmaceutical Packaging		
	Pouches - Flexible Packaging		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molecular Weight Distribution	Medium		
Instrumented Puncture Test (50.0 µm)	100	J/cm	ISO 7765-2
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹ (20°C, Injection Molded)	1400	MPa	ISO 178
Coefficient of Friction ²	> 0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3

MD : 50 μm	800	MPa	
TD : 50 μm	800	MPa	
Tensile Strength			ISO 527-3
MD : 50 μm	45.0	MPa	
TD : 50 μm	40.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 μm	600	%	
TD : Break, 50 μm	650	%	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	164	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 μm)	> 110		ASTM D2457
Haze (50.0 μm)	< 2.0	%	ASTM D1003
NOTE			
1.	50%RH		
2.	Film/Film		

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