Bormed™ RD804CF

Polypropylene Random Copolymer

Borealis AG

Message:

Bormed RD804CF is a random copolymer with low ethylene content.
This grade is suitable for the manufacturing of non-oriented cast films on chill roll process, blown films on tubular water quenching process as well as injection moulding and ISBM (2-stage process) for ampoules and bottles.

General Information			
Features	Good Impact Resistance Moisture Barrier Opticals Random Copolymer Steam Sterilizable		
Uses	Film Medical Devices Medical Packaging Medical/Healthcare Applications		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molecular Weight Distribution	Narrow		ISO 11357-3
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus (Injection Molded)	1000	MPa	ISO 178
Coefficient of Friction	> 0.70		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD : 50 µm	600	MPa	
TD : 50 µm	600	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	40.0	MPa	
TD : 50 µm	30.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	550	%	
TD : Break	600	%	
Instrumented Dart Impact (50 µm, Total Energy)	17.0	J	ISO 7765-2

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	150	°C	ISO 3146
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (20°, 50.0 µm)	> 130		ASTM D2457
Haze (50.0 µm)	1.5	%	ASTM D1003

Recommended distributors for this material

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