

Bormed™ RD808CF

Polypropylene Random Copolymer

Borealis AG

Message:

Bormed RD808CF is a random copolymer with high ethylene content.

This grade is suitable for the manufacturing of non-oriented cast films on chill roll process and blown films on tubular water quenching process as well as injection moulding and ISBM (2-stage process) for ampoules and bottles.

General Information			
Features	High Clarity		
	High Gloss		
	High Impact Resistance		
	Random Copolymer		
	Soft		
	Steam Sterilizable		
Uses	Cast Film		
	Film		
	Medical Devices		
	Medical Packaging		
	Medical/Healthcare Applications		
	Non-oriented Film		
	Tubing		
Processing Method	Blown Film		
	Cast Film		
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		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	700	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	> 0.70		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD : 50 µm	400	MPa	
TD : 50 µm	400	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	30.0	MPa	

TD : 50 μm	30.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 μm	540	%	
TD : Break, 50 μm	610	%	
Instrumented Dart Impact (50 μm , Total Energy)	30.0	J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	140	$^{\circ}\text{C}$	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20 $^{\circ}$, 50.0 μm)	> 140		ASTM D2457
Haze (50.0 μm)	< 0.50	%	ASTM D1003

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