

# Bormed™ RD804CF-11

Polypropylene Random Copolymer

Borealis AG

## Message:

Bormed RD804CF-11 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		
	Narrow Molecular Weight Distribution		
	Random Copolymer		
Uses	Bottles		
	Caps		
	Closures		
	Medical Packaging		
	Packaging		
	Pharmaceuticals		
	Tubing		
Processing Method	Blow Molding		
	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
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus <sup>1</sup> (23°C)	1000	MPa	ISO 178
Coefficient of Friction	> 0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD	600	MPa	
TD	600	MPa	
Tensile Strength			ISO 527-3
MD	40.0	MPa	
TD	30.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	550	%	
TD : Break	600	%	

Instrumented Puncture Test - Total Penetration Energy	170	J/cm	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	150	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°)	> 130		ASTM D2457
Haze	1.5	%	ASTM D1003
NOTE			
1.	50% Relative Humidity		

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#### Recommended distributors for this material

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