

Bormed™ SC876CF

Polypropylene Random Copolymer

Borealis AG

Message:

Bormed SC876CF is a very soft random heterophasic copolymer.
This grade is suitable for the manufacturing of non-oriented cast films on chill roll process and blown film on tubular water quenching process.
CAS-No. 9010-79-1

General Information			
Features	Low Temperature Toughness		
	Random Copolymer		
	Recyclable Material		
	Soft		
	Steam Sterilizable		
Uses	Blown Film		
	Cast Film		
	Medical Packaging		
	Medical/Healthcare Applications		
	Non-oriented Film		
	Packaging		
	Pharmaceutical Packaging		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.8	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (Injection Molded)	330	MPa	ISO 178
Coefficient of Friction	> 0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ISO 527-3
Tensile Modulus			
MD : 50 µm	180	MPa	
TD : 50 µm	150	MPa	ISO 527-3
Tensile Stress			
MD : Yield, 50 µm	40.0	MPa	
TD : Yield, 50 µm	30.0	MPa	ISO 527-3
Tensile Elongation			

MD : Break, 50 μm	680	%	
TD : Break, 50 μm	720	%	
Instrumented Puncture Test - Total Penetration Energy (50.0 μm)	650	J/cm	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	149	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 μm)	> 100		ASTM D2457
Haze (50.0 μm)	< 4.0	%	ASTM D1003

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