

Bormed™ SC820CF

Polypropylene Random Copolymer

Borealis AG

Message:

Bormed SC820CF is a very soft random heterophasic copolymer.

This grade is suitable for the manufacturing of tubular water quenched films and unoriented films on chill roll process.

General Information			
Features	Good Flexibility		
	Good Processability		
	Good Toughness		
	High Clarity		
	High Gloss		
	High Impact Resistance		
	Low Moisture Vapor Transmission		
	Med.-Wide Molecular Weight Distrib.		
	Recyclable Material		
	Soft		
Uses	Steam Sterilizable		
Medical Packaging			
Tubing			
Processing Method		Film Extrusion	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.9	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	550	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	330	MPa	
TD : 50 µm	330	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	50.0	MPa	
TD : 50 µm	50.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	650	%	
TD : Break, 50 µm	670	%	

Instrumented Dart Impact (50 µm, Total Energy)	30.0	J	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	141	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm)	> 120		ASTM D2457
Haze (50.0 µm)	< 1.0	%	ASTM D1003

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

