

# Borpact™ BC918CF

High Crystallinity Polypropylene

Borealis AG

Message:

BC918CF is a heterophasic copolymer.  
BC918CF is a high crystalline copolymer film resin. This grade is suitable for the manufacturing of unoriented films on cast lines, conventional blown film lines with air cooling as well as roll stack process for thermoformable films/sheets.  
CAS-No. 9010-79-1

General Information			
Features	Copolymer		
	Crystalline		
	Good Tear Strength		
	Good Toughness		
	High Clarity		
	High Purity		
	High Stiffness		
	Low Temperature Impact Resistance		
	Medium Gloss		
Uses	Cast Film		
	Film		
	Food Packaging		
	Labels		
	Laminates		
	Non-oriented Film		
	Support Trays		
Processing Method	Blown Film		
	Cast Film		
	Coextrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus <sup>1</sup> (23°C, Injection Molded)	1400	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD : 50 µm	1150	MPa	

TD : 50 μm	980	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 μm	570	%	
TD : Break, 50 μm	530	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, Injection Molded	1.2	kJ/m <sup>2</sup>	
23°C, Injection Molded	35	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	168	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 μm)	95		ASTM D2457
Haze (50.0 μm)	4.0	%	ASTM D1003
NOTE			
1.	2.0 mm/min		

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#### Recommended distributors for this material

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