

# BorPure™ RE216CF

Polypropylene Random Copolymer

Borealis AG

## Message:

BorPure RE216CF is a random copolymer.

This grade is suitable for the manufacturing of unoriented films on chill roll processes.

BorPure RE216CF contains antiblock but no slip agent.

General Information			
Additive	Anti-caking agent (1800 ppm) 2		
Features	Anti-caking property		
	Random copolymer		
	Narrow molecular weight distribution		
Uses	Packaging		
	Films		
	Laminate		
	Stationery		
	Non-oriented film		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	800	MPa	ISO 178
Coefficient of Friction (vs. Itself - Static)	0.50		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD	450	MPa	ISO 527-3
TD	450	MPa	ISO 527-3
Tensile Strength			ISO 527-3
MD	35.0	MPa	ISO 527-3
TD	30.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture	600	%	ISO 527-3
TD: Fracture	600	%	ISO 527-3
Instrumented Puncture Test - Total Penetration Energy	200	J/cm	ISO 7765-2

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	145	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (20°)	> 120		ASTM D2457
Haze	< 2.0	%	ASTM D1003
Additional Information			

Specific film values evaluated on chill roll films, produced with Borealis internal standard conditions with a thickness of 50 µm. When compared to films which were produced under other conditions. It should be taken into account that the film properties are strongly dependent on the processing conditions.

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### 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

