

Borealis PE FG5199

Linear Low Density Polyethylene

Borealis AG

Product Description

FG5199 is a Butene Linear Low Density Polyethylene for Film Extrusion. Includes Antioxidant, Anti-Fog and Cling additives.

The grade is developed for blown cling film. Film made from FG5199 is suitable for manual wrapping of various foodstuffs e.g. cheese, meat and vegetables.

General

Features	• Anti-fogging • Antioxidant	• Butene Comonomer • High Cling	
Uses	• Film	• Food Wrap	• Laminates
Forms	• Pellets		
Processing Method	• Blown Film	• Film Extrusion	

Physical	Nominal Value Unit	Test Method
Density	0.919 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2 g/10 min	ISO 1133
Films	Nominal Value Unit	Test Method
Film Thickness - Tested	25 µm	
Tensile Stress		ISO 527-3
TD: Yield, 25 µm	11.0 MPa	
MD: 25 µm	32.0 MPa	
TD: 25 µm	28.0 MPa	
Tensile Elongation		ISO 527-3
MD: Break, 25 µm	550 %	
TD: Break, 25 µm	710 %	
Dart Drop Impact (25 µm)	70 g	ISO 7765-1
Elmendorf Tear Strength		ISO 6383-2
MD: 25 µm	0.50 N	
TD: 25 µm	3.8 N	
Thermal	Nominal Value Unit	Test Method
Melting Temperature	121 °C	ISO 11357-3

Notes

¹ Typical properties: these are not to be construed as specifications.



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