

Borealis PE FG5199

Linear Low Density Polyethylene

Borealis AG

Message:

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 Information			
Additive	Anti-Fog Antioxidant		
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

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