

Borealis FG5199 Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

Material Notes:

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. Applications: cling, food packaging, food wrap film, and lamination films. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-FG5199-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ISO 1183
Melt Flow	1.25 g/10 min @Load 2.16 kg, Temperature 190 °C	1.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.0 MPa	1600 psi	TD; ISO 527-3
Film Elongation at Break, MD	550 %	550 %	ISO 527-3
Film Elongation at Break, TD	710 %	710 %	ISO 527-3
Elmendorf Tear Strength, MD	2.04 g/micron	51.8 g/mil	ISO 6383/2
Elmendorf Tear Strength, TD	15.49 g/micron	393.4 g/mil	ISO 6383/2
Dart Drop Test	70.0 g @Thickness 0.0250 mm	0.154 lb @Thickness 0.000984 in	ISO 7765-1
Film Tensile Strength at Break, MD	32.0 MPa	4640 psi	ISO 527-3
Film Tensile Strength at Break, TD	28.0 MPa	4060 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	ISO 11357-3

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China