Braskem Pluris 9310 LLDPE Blown Film Extrusion Polyethylene Quatropolymer

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

Material Notes:

Pluris 9310 is a Braskem Quatropolymer produced with Spherilene technology and is a LLDPE with unique properties, such as high stiffness associated with toughness. It is easier to process than conventional LLDPE with the same melt index and shows very good bubble stability. Films obtained with this product have very low gel content. It contains medium antiblocking, medium slip, and medium processing aid additives. Its applications include: automatic packaging (FFS), high performance structures (coextrusion), and frozen bags.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Braskem-Pluris-9310-LLDPE-Blown-Film-Extrusion-Polyethylene-Quatropolymer.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	ASTM-D792
Melt Flow	0.55 g/10 min @Load 2.16 kg, Temperature 190 °C	0.55 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	890 %	890 %	ASTM-D882
Film Elongation at Break, TD	1110 %	1110 %	ASTM-D882
Elmendorf Tear Strength MD	270 g	270 g	ASTM-D1922
Elmendorf Tear Strength TD	590 g	590 g	ASTM-D1922
Elmendorf Tear Strength, MD	7.11 g/micron	181 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	15.53 g/micron	394.5 g/mil	ASTM-D1922
Dart Drop	30.26 g/micron	768.6 g/mil	ASTM-D1709
Dart Drop Test	1150 g	2.54 lb	ASTM-D1709
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM-D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM-D882
1% Secant Modulus, MD	270 MPa	39200 psi	ASTM-D882
1% Secant Modulus, TD	310 MPa	45000 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	ASTM-D1003
Gloss	75 %	75 %	Angle 60°; ASTM-D2457

Optical Properties	Metric	English	Comments
Processing Properties	**Metric**	**English**	**Comments**
Die Opening	0.180 - 0.250 cm @Temperature 200 - 220 °C	0.0709 - 0.0984 in @Temperature 392 - 428 °F	Blown Film Extrusion
Blow-up Ratio (BUR)	2.0 - 3.5	2.0 - 3.5	Blown Film Extrusion

Descriptive Properties	Value	Comments
Mass Temperature (°C)	220	max, Blown Film Extrusion
Screen Package	40/60/40	mesh
Temperature Profile (°C)	190-220	Blown Film Extrusion

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