

Braskem Pluris 9300 LLDPE Blown Film Extrusion Polyethylene Quatropolymer

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

Material Notes:

Pluris 9300 is a 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 values. It contains processing aid, antioxidant, and antiblock additives. Its applications include: heavy-duty bags, liners, LDPE and HDPE blends, and packages for general use.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Pluris-9300-LLDPE-Blown-Film-Extrusion-Polyethylene-Quatropolymer.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM-1505
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	230 g	230 g	ASTM-D1922
Elmendorf Tear Strength TD	550 g	550 g	ASTM-D1922
Elmendorf Tear Strength, MD	6.05 g/micron	154 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	14.47 g/micron	367.5 g/mil	ASTM-D1922
Dart Drop	3.95 g/micron	100 g/mil	ASTM-D1709
Dart Drop Test	150 g	0.331 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	18 %	18 %	ASTM-D1003
Gloss	71 %	71 %	Angle 60°; ASTM-D2457

Optical Properties	Metric	English	Comments
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