

Ipiranga Petrochem LB 0216 LLDP

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

Material Notes:

IPQ produces Linear Low Density Polyethylene (LLDPE) for use by plastics molding industry segments that employ extrusion processes in the manufacturing of films destined for producing bobbins and bags. IPQ employs Spherilene technology from Montell/Italy in the production of LLDPE. The raw materials, which are supplied by COPESUL, are pre-treated and fed into gas-phase reactors, where linear low density polyethylene globe-shaped grains are obtained. These grains are sent to the extrusion site, where stabilizers are added to them. The grains are turned into pellets by an extruding press. Next, they are sent to storage silos, and then to the packaging site. This technology uses state-of-the-art techniques to control the entire production process, thus ensuring the quality of the products that are marketed.

Applications: stretch cast film

Order this product through the following link:

http://www.lookpolymers.com/polymer_ipiranga-Petrochem-LB-0216-LLDP.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ASTM D1505-98
Melt Flow	1.7 - 2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 - 2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238-00

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.80 MPa	1420 psi	ASTM D882-02
Film Tensile Strength at Yield, TD	9.30 MPa	1350 psi	ASTM D882-02
Film Elongation at Break, MD	800 %	800 %	ASTM D882-02
Film Elongation at Break, TD	890 %	890 %	ASTM D882-02
Film Elongation at Yield, MD	47 %	47 %	ASTM D882-02
Film Elongation at Yield, TD	35 %	35 %	ASTM D882-02
Coefficient of Friction	>= 1.0	>= 1.0	ASTM D1894-99
Dart Drop Test	160 g	0.353 lb	ASTM D1709-98
Film Tensile Strength at Break, MD	39.0 MPa	5660 psi	ASTM D882-02
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882-02

Optical Properties	Metric	English	Comments
Haze	3.1 %	3.1 %	ASTM D1003A-00

Gloss	83 %	83 %	ASTM D785-03
Optical Properties	Metric	English	Comments

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