

Ipiranga Petrochem GM 9450 F HDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

IPQ produces High Density Polyethylene (HDPE) for use by different segments of the plastics molding industry in several processes, including blow molding, extrusion and injection molding. To produce HDPE, IPQ employs Hoechst/Hostalen technology through the following steps: the ethene supplied by COPESUL is processed by Ipiranga Petroquímica in reactors to produce powdered polyethylene. The polyethylene then receives additives and is homogenized with stabilizers and taken to extruding presses where it is granulated and is ready for marketing. An integrated and computerized system controls the production, from the initial processing stages to end-product testing for later commercialization. Applications: bags perforated oils repackaging

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ipiranga-Petrochem-GM-9450-F-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.949 - 0.955 g/cc	0.0343 - 0.0345 lb/in ³	ASTM D792-98
Melt Flow	0.24 - 0.42 g/10 min @Load 5.00 kg, Temperature 190 °C	0.24 - 0.42 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238-00
High Load Melt Index	6.3 - 12.3 g/10 min @Load 21.6 kg, Temperature 190 °C	6.3 - 12.3 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238-00

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638-02
Elongation at Yield	8.0 %	8.0 %	ASTM D638-02
Flexural Modulus	1.03 GPa	149 ksi	2% secant; ASTM D790-02
Dart Drop Test	290 g	0.639 lb	blow ratio: 4:1, frost line: 900mm, thickness: 20µm; ASTM D1709-98

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