

Ipiranga Petrochem GM 5250 OC HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe 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: corrugated pipe for sewerpipe for streets and roads drainage pipe for drainage in general

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ipiranga-Petrochem-GM-5250-OC-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.948 - 0.954 g/cc	0.0342 - 0.0345 lb/in ³	ASTM D792-98
Melt Flow	0.15 - 0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.15 - 0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238-00
High Load Melt Index	14 - 24 g/10 min @Load 21.6 kg, Temperature 190 °C	14 - 24 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238-00

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638-02
Elongation at Yield	8.7 %	8.7 %	ASTM D638-02
Flexural Modulus	0.910 GPa	132 ksi	2% secant; ASTM D790-02
Izod Impact, Notched	1.40 J/cm	2.62 ft-lb/in	ASTM D256-03

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