

## Ipiranga Petrochem GF 5150 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: conduits, conduits for optic fiber pipes for irrigation sheets, subconduits

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ipiranga-Petrochem-GF-5150-HDPE.php](http://www.lookpolymers.com/polymer_ipiranga-Petrochem-GF-5150-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.947 - 0.953 g/cc	0.0342 - 0.0344 lb/in <sup>3</sup>	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	25.0 MPa	3630 psi	ASTM D638-02
Elongation at Yield	8.5 %	8.5 %	ASTM D638-02
Flexural Modulus	0.950 GPa	138 ksi	2% secant; ASTM D790-02
Izod Impact, Notched	1.40 J/cm	2.62 ft-lb/in	ASTM D256-03

## Contact Songhan Plastic Technology Co.,Ltd.

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