

## Ipiranga Petrochem GM 5010 T2 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: geomembranes jacketing of optics and metallic cables (telecommunication pipes for irrigation mining and sewage pressure pipes for water distribution umbilicals for offshore oil field platforms gas stations fuel pipes pressure pipes for gas distribution

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ipiranga-Petrochem-GM-5010-T2-HDPE.php](http://www.lookpolymers.com/polymer_ipiranga-Petrochem-GM-5010-T2-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.953 - 0.957 g/cc	0.0344 - 0.0346 lb/in <sup>3</sup>	ASTM D792-98
Melt Flow	0.34 - 0.56 g/10 min @Load 5.00 kg, Temperature 190 °C	0.34 - 0.56 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238-00
High Load Melt Index	8.0 - 14 g/10 min @Load 21.6 kg, Temperature 190 °C	8.0 - 14 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238-00

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638-02
Elongation at Yield	8.9 %	8.9 %	ASTM D638-02
Flexural Modulus	0.780 GPa	113 ksi	2% secant; ASTM D790-02
Izod Impact, Notched	2.20 J/cm	4.12 ft-lb/in	ASTM D256-03

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China