

Ipiranga Petrochem PH 0242 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

The production of polypropylene (PP) employs Spheripol technology from Montell / Italy. This technology has been acclaimed all over the world and is known as clean technology, because it does not produce catalyst residues (due to its high catalytic yield). Raw materials are supplied by COPESUL. Following pre-treatment, they are sent, with the catalytic system, into two loop reactors and one gas-phase reactor. This plant produces PP homopolymer, random copolymer, heterophase copolymer and terpolymer. The product leaves the reactors in the shape of spherical grains. The grains are sent to the extrusion site, where stabilizers are added to them. They are then turned into pellets by an extruding press. The pelletized material is first sent to mixing and storage silos. Later, this material is sent to the packaging area. Applications: compression molded caps for carbonated beverages

Order this product through the following link:

http://www.lookpolymers.com/polymer_ipiranga-Petrochem-PH-0242-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Flow	1.7 - 2.3 g/10 min	1.7 - 2.3 g/10 min	ASTM D1238-00
	@Load 2.16 kg, Temperature 190 Â°C	@Load 4.76 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785-98
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM D638-02
Elongation at Yield	9.5 %	9.5 %	ASTM D638-02
Flexural Modulus	1.75 GPa	254 ksi	1% secant; ASTM D790-02
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256-03

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	114 Â°C	237 Â°F	ASTM D648-97
Vicat Softening Point	153 Â°C	307 Â°F	ASTM D1525-97

Optical Properties	Metric	English	Comments
Haze	70 %	70 %	ASTM D1003A-00
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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