

Ipiranga Petrochem MB 0434 LS-L MDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Rotational Molded

Material Notes:

IPQ employs Spherilene technology from Basell in the production of MDPE. The raw materials, which are supplied by COPESUL, are pre-treated and fed into gas-phase reactors, where medium density polyethylene globe-shaped grains are obtained. These grains are sent to the extrusion site, where stabilizers are added to them. The grains are turned into pellets by an extruding press. Next, they are sent to storage silos, and then to the packaging site. This technology uses state-of-the-art techniques to control the entire production process, thus ensuring the quality of the products that are marketed. Applications: rotomolding in general bins industrial container technical parts water reservoirs

Order this product through the following link:

http://www.lookpolymers.com/polymer_ipiranga-Petrochem-MB-0434-LS-L-MDPE.php

Physical Properties	Metric	English	Comments
Density	0.933 g/cc	0.0337 lb/in ³	ASTM D1505-98
Melt Flow	3.2 - 4.8 g/10 min @Load 2.16 kg, Temperature 190 Â°C	3.2 - 4.8 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238-00

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	39.0 MPa	5660 psi	ASTM D638-02
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638-02
Elongation at Break	880 %	880 %	ASTM D638-02
Elongation at Yield	12 %	12 %	ASTM D638-02
Flexural Modulus	0.590 GPa	85.6 ksi	2% secant; ASTM D790-02
Izod Impact, Notched	1.15 J/cm	2.15 ft-lb/in	ASTM D256-03

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	61.0 Â°C	142 Â°F	ASTM D648-97
Vicat Softening Point	116 Â°C	241 Â°F	ASTM D1525-97

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