

Ipiranga Petrochem PH 2610 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

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: caps with seal household goods furniture lid toys

Order this product through the following link:

http://www.lookpolymers.com/polymer_ipiranga-Petrochem-PH-2610-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------------------|---------------------------------------|---------------|
| Melt Flow | 23 - 29 g/10 min | 23 - 29 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 | 106 | 106 | ASTM D785-98 |
| Tensile Strength, Yield | 35.0 MPa | 5080 psi | ASTM D638-02 |
| Elongation at Yield | 8.0 % | 8.0 % | ASTM D638-02 |
| Flexural Modulus | 1.49 GPa | 216 ksi | 1% secant; ASTM D790-02 |
| Izod Impact, Notched | 0.300 J/cm | 0.562 ft-lb/in | ASTM D256-03 |

| Thermal Properties | Metric | English | Comments |
|--|----------|---------|---------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 94.0 Â°C | 201 Â°F | ASTM D648-97 |
| Vicat Softening Point | 147 Â°C | 297 Â°F | ASTM D1525-97 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------------------|----------------------|----------------|
| Haze | 91 % | 91 % | ASTM D1003A-00 |
| | @Thickness 1.60 mm | @Thickness 0.0630 in | |

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