

LyondellBasell Pro-fax PD702NW Polypropylene Homopolymer, Nucleated/Antistat

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: Injection Molding
Key Features: nucleated and antistatic, high flow polypropylene homopolymer resin, FDA acceptable, short cycle time for high productivity, resists dust pickup, enhanced stiffness, good flow properties
Applications: large articles, thin wall parts
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.
Description: Pro-fax PD702N nucleated, antistatic, high flow, controlled rheology polypropylene homopolymer resin is designed for injection molding. It is available in pellet form. It meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. All ingredients meet the chemical registration requirements of TSCA and DSL. Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-PD702NW-Polypropylene-Homopolymer-NucleatedAntistat.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D792B |
| Melt Flow | 35 g/10 min @Load 2.16 kg, Temperature 230 °C | 35 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------------|--------------------------------------|
| Hardness, Rockwell R | 93 | 93 | ASTM D785A |
| Tensile Strength, Yield | 34.0 MPa | 4930 psi | ASTM D638 |
| Elongation at Yield | 11 % | 11 % | ASTM D638 |
| Flexural Modulus | 1.30 GPa | 189 ksi | 1% secant at 0.05 in/min; ASTM D790A |
| Izod Impact, Notched | 0.370 J/cm | 0.693 ft-lb/in | ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 111 °C | 232 °F | ASTM D648 |

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