

LyondellBasell Pro-fax 6331NW Polypropylene Homopolymer, Nucleated/Antistat

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: antistatic and nucleated polypropylene homopolymer resin, short cycle time, resists dust pickup, low odor
Applications: lightweight containers, closures, hospital and institutional ware, toys
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.
Description: Pro-fax 6331NW polypropylene homopolymer resin is nucleated for faster crystallization and features antistatic properties. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. It has a UL yellow card RTI, which apply to all colors. 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-6331NW-Polypropylene-Homopolymer-NucleatedAntistat.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785A
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.60 GPa	232 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.460 J/cm	0.862 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	ASTM D648
UL RTI, Mechanical with Impact	65.0 °C	149 °F	Minimum thickness 0.038 inches.
Flammability, UL94	HB	HB	Minimum thickness 0.038 inches.

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