Lotte Chemical Titan TITANPROÂ® PD701 Polypropylene homopolymer

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

Material Notes:

The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. The adjuvants meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use.Applications: Extrusion coating on fabrics woven, thin walled molded articles.Advantages: Low neck in. High temperature resistance. Good resistance to pin-holing. High gloss and surface hardness. Abrasion resistance. Excellent moisture barriers. Excellent grease and chemical resistance. Low odor and taste. Fabrication: Equipment - general extrusion or injection molding machines. Techniques - standard processing. Information provided by Titan ChemicalsCAS# 9003-07-0

Order this product through the following link:
http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANPRO-PD701-Polypropylene-homopolymer.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.900 g/cc	0.0325 lb/inÂ³	ASTM D1505
Water Absorption	0.020 %	0.020 %	after 24 hrs; ASTM D570
Base Resin Melt Index	30 g/10 min @Temperature 230 Â°C	30 g/10 min @Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785A
Tensile Strength, Yield	31.4 MPa	4550 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.32 GPa	191 ksi	ASTM D790B
Izod Impact, Notched	0.324 J/cm	0.607 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Â°C	194 Â°F	ASTM D648

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