

Lotte Chemical Titan TITANPRO® PM430 Polypropylene homopolymer

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

Material Notes:

Titanpro® PM430 is designed without any slip agents nor antiblocking agents. 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: Metallised cast film. Food packaging. Non food packaging for garment, stationery, photo albums, flowers, etc. Advantages: Good process-ability. Excellent gloss and clarity. Excellent stiffness. Good aluminum adhesion. Fabrication: Equipment - general cast film machines. Techniques - standard processing. Information provided by Titan Chemicals CAS# 9003-07-0

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANPRO-PM430-Polypropylene-homopolymer.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Water Absorption	0.020 %	0.020 %	after 24 hrs; ASTM D570
Base Resin Melt Index	7.0 g/10 min @Temperature 230 Â°C	7.0 g/10 min @Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785A
Tensile Strength, Yield	38.2 MPa	5540 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.86 GPa	270 ksi	ASTM D790B
Izod Impact, Notched	0.431 J/cm	0.807 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 Â°C	207 Â°F	ASTM D648

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