

TITANPRO® PD701

Polypropylene Homopolymer
Lotte Chemical Titan (M) Sdn. Bhd.

Message:

Polypropylene homopolymer. 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 adjuvant meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDS criteria covering safe use of polyolefin articles and component of articles intended for food contact use. TSCA Registry: CAS# 9003-07-0

APPLICATIONS:

Extrusion coating on fabrics woven, thin walled molded articles.

Characteristics:

Low neck in. high temperature resistance and good resistance to pinholing, high gloss and surface hardness, abrasion resistance and excellent moisture barrier, excellent grease and chemical resistance and low odor and taste.

FABRICATION:

Equipment - general extrusion or injection molding machines and techniques - standard processing.

General Information			
Features	Food Contact Acceptable		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Grease Resistant		
	High Gloss		
	High Heat Resistance		
	Homopolymer		
	Low Neck-In		
	Low to No Odor		
	Low to No Taste		
	Moisture Barrier		
Uses	Coating Applications		
	Fabric Coatings		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520(a) 1 (i)		
	FDA 21 CFR 177.1520(b)		
	FDA 21 CFR 177.1520(c) 1.1a		
Processing Method	Extrusion Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238

Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1320	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648

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