

TITANPRO® PM430

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

Message:

Polypropylene homopolymer. 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 adjuvant 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. TSCA Registry: CAS# 9003-07-0

APPLICATIONS:

Metallised cast film, food packaging and non food packaging for garment, stationery, photo albums, flowers, etc.

Characteristics:

Good processability, excellent gloss and clarity, excellent stiffness and good aluminium adhesion.

FABRICATION:

Equipment - general cast film machines and techniques - standard processing.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Gloss		
	Homopolymer		
Uses	Cast Film		
	Food Packaging		
	Packaging		
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	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	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)	38.2	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638

Flexural Modulus	1860	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.0	°C	ASTM D648

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