

TITANPRO® PM383

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 FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use. TSCA Registry: CAS# 9003-07-0

APPLICATIONS:

Oriented film for food and garment packaging, adhesive tape, lamination, photo album, pearlized film, etc.

Characteristics:

Outstanding processability, maximum bubble stability for slit tape production by the tubular process, good melt stability and low color, low taste & odor.

FABRICATION:

Equipment - general extrusion machines and techniques - standard processing for tubular and flat die tapes.

General Information			
Features	Clean/High Purity		
	Food Contact Acceptable		
	Good Stiffness		
	High Clarity		
	High Gloss		
	Homopolymer		
Uses	Bi-axially Oriented Film		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Tape		
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	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.9	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638

Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	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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