TITANPRO® PX617

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:
Sheet for thermoforming and sheet for stationery files, etc.
Characteristics:
Outstanding processability with high production rate, good optical properties, good melt stability, low taste and odor, no plate-out problems on die lips or chill rolls and good heat-aging stability.
FABRICATION:
Equipment - sheet extrusion and thermoforming machines and techniques - standard processing for sheet.

General Information	
Features	Fast Molding Cycle
	Food Contact Acceptable
	Good Heat Aging Resistance
	Good Processability
	High Melt Stability
	Homopolymer
	Low to No Odor
	Low to No Taste
	Opticals
Uses	Sheet
	Stationary Supplies
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	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	88		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1620	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	59	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648

Recommended distributors for this material

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WECHAT