



TITAN PETCHEM (M) SDN. BHD.

(Co. No. 154990 W)
(Formerly known as Titan PP Polymers (M) Sdn. Bhd.)

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Product Data

Developmental Data

TITANPRO PX617 FOR SHEET EXTRUSION

CHARACTER

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 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.

TSCA Registry: CAS# 9003-07-0

APPLICATIONS

Sheet for thermoforming.

Sheet for stationery files, etc.

ADVANTAGES

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.

Good heat-aging stability.

FABRICATION

Equipment - sheet extrusion and thermoforming machines.

Techniques - standard processing for sheet.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>TITANPRO PX617</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	1.7	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	350	D638
Elongation at Yield	%	9	D638
Flexural Modulus	kg/cm ²	16500	D790B
Notched Izod Impact Strength at 23°C	kg.cm/cm	6	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	102	D648
Rockwell Hardness	R scale	88	D785A
Water absorption after 24 hours	%	0.02	D570

(a) Values shown are averages and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

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