

# Product Data

## TITANPRO PM383 FOR BOPP FILM

<b>CHARACTER</b>	Polypropylene homopolymer. Titanpro PM383 complies with the U.S. Food and Drug Administration (FDA) regulation as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. TSCA Registry: CAS# 9003-07-0
<b>APPLICATIONS</b>	Oriented film for food and garment packaging, adhesive tape, lamination, photo album, pearlized film, etc.
<b>ADVANTAGES</b>	Outstanding processability. Maximum bubble stability for slit tape production by the tubular process. Good melt stability. Low color, low taste & odor.
<b>FABRICATION</b>	Equipment - general extrusion machines. Techniques - standard processing for tubular and flat die tapes.

<u>TYPICAL RESIN PROPERTIES</u> <sup>(a)</sup>	<u>UNIT</u>	<u>PM383</u>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	<b>3.0</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.9</b>	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	<b>350</b>	D638
Elongation at Yield	%	<b>12</b>	D638
Flexural Modulus	kg/cm <sup>2</sup>	<b>15500</b>	D790B
Notched Izod Impact Strength at 23°C	kg-cm/cm	<b>5.4</b>	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	<b>90</b>	D648
Rockwell Hardness	R scale	<b>90</b>	D785A
Water absorption after 24 hours	%	<b>0.02</b>	D570

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

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

Shrinkage : 1.3 - 1.4% depending on the product wall thickness and molding parameters.

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