

# Product Data

## TITANPRO PM133 FOR THERMOFORMING

<b>CHARACTER</b>	Polypropylene homopolymer. Titanpro PM133 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>	Thermoformed articles and extruded profiles.
<b>ADVANTAGES</b>	Outstanding processability. Good melt stability. Good melt strength. No plate out problems on die lips or chill rolls.
<b>FABRICATION</b>	Equipment - general extrusion and thermoforming machine. Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> <sup>(a)</sup>	<u>UNIT</u>	<u>PM133</u>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	<b>0.5</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.9</b>	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	<b>360</b>	D638
Elongation at Yield	%	<b>18</b>	D638
Flexural Modulus	kg/cm <sup>2</sup>	<b>16000</b>	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	<b>5.5</b>	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	<b>105</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.

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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