



Product Data

TITANPRO PM133 FOR THERMOFORMING

CHARACTER	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
APPLICATIONS	Thermoformed articles and extruded profiles.
ADVANTAGES	Outstanding processability. Good melt stability. Good melt strength. No plate out problems on die lips or chill rolls.
FABRICATION	Equipment - general extrusion and thermoforming machine. Techniques - standard processing.

TYPICAL RESIN PROPERTIES ^(a)	UNIT	PM133	ASTM METHOD ^(b)
Melt Flow Rate, at 230°C	g/10 min	0.5	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	360	D638
Elongation at Yield	%	18	D638
Flexural Modulus	kg/cm ²	16000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	5.5	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	105	D648
Rockwell Hardness	R scale	90	D785A
Water absorption after 24 hours	%	0.02	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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