

Product Data

TITANPRO PM201 FOR MULTIFILAMENT AND INJECTION MOLDING

CHARACTER	Polypropylene homopolymer. Titanpro PM201 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	High speed fine denier fiber production. Multifilament fibers. Thin-walled molding.
ADVANTAGES	High melt flow. Good drawability. High gloss. Narrow molecular weight distribution.
FABRICATION	Equipment - general extrusion / injection molding machines. Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>PM201</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	20	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	330	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	13000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	3.3	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	90	D648
Rockwell Hardness	R scale	97	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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