LOTTE CHEMICAL TITAN

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.

TYPICAL RESIN PROPERTIES [a]	UNIT	PM201	ASTM METHOD [b]
Melt Flow Rate, at 230°C	g/10 min	**20**	D1238
Density	g/cm³	**0.9**	D1505
Tensile Strength at Yield	kg/cm²	**330**	D638
Elongation at Yield	%	**12**	D638
Flexural Modulus	kg/cm²	**13000**	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	**3.3**	D256A
Heat Deflection Temperature at 4.6 kg/cm²	°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.