

Product Data

TITANPRO 6331 FOR GENERAL PURPOSE INJECTION MOLDING

CHARACTER	Polypropylene homopolymer. Titanpro 6331 complies with the U.S. Food and Drug Administration (FDA) regulation as specified in 21 CFR177.1520 (a)(1)(i) and (c)1.1a. TSCA Registry: CAS# 9003-07-0
APPLICATIONS	Closures, housewares, toys, games, pill boxes, containers, healthcare devices, syringe barrel, pen cap and pen body.
ADVANTAGES	Good processability. High stiffness. Good heat deflection temperature. Microwaveable for food reheating purposes.
FABRICATION	Equipment - general extrusion. Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>6331</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	14	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	360	D638
Elongation at Yield	%	10	D638
Flexural Modulus	kg/cm ²	17500	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	2.6	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	99	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.

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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