

Product Data

TITANPRO 6331 FOR GENERAL PURPOSE INJECTION MOLDING

CHARACTER	Polypropylene homopolymer. The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. The adjuvant meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDS criteria covering safe use of polyolefin articles and component of articles intended for food contact use. 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>TITANPRO 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.

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