

Product Data

TITANPRO 6431

FOR GENERAL PURPOSE INJECTION MOLDING AND EXTRUSION

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 adjuvants 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	Appliances, housewares, toys, closures, containers, furniture.
ADVANTAGES	Good stiffness.
FABRICATION	Equipment - general extrusion. Techniques - standard processing

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>TITANPRO 6431</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	7	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	360	D638
Elongation at Yield	%	8	D638
Flexural Modulus	kg/cm ²	17000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	3	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	90	D648
Rockwell Hardness	R scale	93	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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