

Product Data

TITANPRO PD701

FOR EXTRUSION COATING, MULTIFILAMENT, AND INJECTION MOLDING

CHARACTER Polypropylene homopolymer.
Titanpro PD701 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 Extrusion coating on woven fabrics, multifilament fibers, thin walled molded articles

ADVANTAGES Low neck in.
High temperature resistance and good resistance to pinholing.
High gloss and surface hardness.
Abrasion resistance and excellent moisture barrier.
Excellent grease and chemical resistance.
Low odor and taste.

FABRICATION Equipment - general extrusion or injection molding machines.
Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>PD701</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	30	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	320	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	13500	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	98	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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