

# 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> <sup>(a)</sup>	<u>UNIT</u>	<u>PD701</u>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	<b>30</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.9</b>	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	<b>320</b>	D638
Elongation at Yield	%	<b>12</b>	D638
Flexural Modulus	kg/cm <sup>2</sup>	<b>13500</b>	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	<b>3.3</b>	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	<b>90</b>	D648
Rockwell Hardness	R scale	<b>98</b>	D785A
Water absorption after 24 hours	%	<b>0.02</b>	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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