

## Product Data

### TITANPRO SM240 FOR INJECTION MOLDING

<b>CHARACTER</b>	<p>Polypropylene impact copolymer. Titanpro SM240 is a high flow material. The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(3)(i) and (c)3.1a. The adjuvant meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use. TSCA Registry: CAS# 9010-79-1</p>
<b>APPLICATIONS</b>	Automotive parts, appliances, housewares, large flat trays, thin complex parts.
<b>ADVANTAGES</b>	<p>Easy processing, permitting wider latitude in design. Good toughness at low temperature. Good surface finish and color. Low built-in-stress. Excellent heat stability.</p>
<b>FABRICATION</b>	<p>Equipment - ram or screw injection machines. Techniques - standard processing.</p>

<u>TYPICAL RESIN PROPERTIES</u> <sup>(a)</sup>	<u>UNIT</u>	<u>TITANPRO SM240</u>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	<b>25</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.9</b>	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	<b>280</b>	D638
Elongation at Yield	%	<b>10</b>	D638
Flexural Modulus	kg/cm <sup>2</sup>	<b>13500</b>	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	<b>7</b>	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	<b>90</b>	D648
Rockwell Hardness	R scale	<b>80</b>	D785A
Drop weight impact at -29°C	kg.cm	<b>280</b>	Internal Method
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.

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