

# Product Data

## TITANPRO SM461 FOR CAST FILM

<b>CHARACTER</b>	Polypropylene random copolymer. Titanpro SM461 is formulated with an antiblocking and slip agents package which complies with the U.S. Food and Drug Administration (FDA) regulation as specified in 21 CFR 177.1520(a)(3)(i) and (c)3.1a. TSCA Registry: CAS# 9010-79-1.
<b>APPLICATIONS</b>	Heat sealable monolayer film. Heat sealable layer in laminated or coextruded structures. Quality packaging application.
<b>ADVANTAGES</b>	Low heat sealing temperature. Good processability. Excellent gloss and clarity. Good impact strength at low temperature.
<b>FABRICATION</b>	Equipment - general cast film machines. Techniques - standard processing.

<b><u>TYPICAL RESIN PROPERTIES</u></b> <sup>(a)</sup>	<b><u>UNIT</u></b>	<b><u>SM461</u></b>	<b><u>ASTM METHOD</u></b> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	<b>7</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.9</b>	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	<b>260</b>	D638
Elongation at Yield	%	<b>12</b>	D638
Flexural Modulus	kg/cm <sup>2</sup>	<b>9500</b>	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	<b>5</b>	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	<b>70</b>	D648
Rockwell Hardness	R scale	<b>67</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.

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