

Product Data

TITANPRO SM461 FOR CAST FILM

CHARACTER	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.
APPLICATIONS	Heat sealable monolayer film. Heat sealable layer in laminated or coextruded structures. Quality packaging application.
ADVANTAGES	Low heat sealing temperature. Good processability. Excellent gloss and clarity. Good impact strength at low temperature.
FABRICATION	Equipment - general cast film machines. Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>SM461</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	260	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	9500	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	5	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	70	D648
Rockwell Hardness	R scale	67	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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