

Product Data

TITANPRO 6531M FOR SLIT TAPE & FIBER

CHARACTER	Polypropylene homopolymer. Titanpro 6531M 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	Thermoformed articles, slit tape and monofilament for rope, twine, yarn and industrial fabrics.
ADVANTAGES	Outstanding processability. Maximum bubble stability for slit tape production by the tubular process. Good melt stability. Low color. Low taste & odor.
FABRICATION	Equipment - general extrusion machines. Techniques - standard processing for tubular and flat die tapes.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>6531M</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	3.5	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	360	D638
Elongation at Yield	%	10	D638
Flexural Modulus	kg/cm ²	17000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	5	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	86	D648
Rockwell Hardness	R scale	91	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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