

Product Data

TITANPRO PM655

FOR SLIT TAPE, FIBER AND THERMOFORMING

CHARACTER	Polypropylene homopolymer. Titanpro PM655 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	Slit tape and monofilament for rope, twine, yarn and industrial fabrics and thermoformed articles.
ADVANTAGES	Outstanding processability. Maximum bubble stability for slit tape production by the tubular process. Good melt stability and superior fiber strength. Low color, low taste & odor. No plate-out problems on die lips or chill rolls. Good heat-aging stability in yarn and fabric.
FABRICATION	Equipment - general extrusion. Techniques - standard processing for tubular and flat die tapes.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>PM655</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	1.7	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	360	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	17500	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	5.5	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	95	D648
Rockwell Hardness	R scale	95	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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