

Product Data

TITANPRO PD855 FOR SLIT TAPE & FIBER

- CHARACTER** Polypropylene homopolymer.
Titanpro PD855 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** EBM, 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 and odour.
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>PD855</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	3	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	370	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	18000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	3.9	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.

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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