



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.

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purposes. Unless otherwise agreed in writing, we sell products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

LOTTE CHEMICAL TITAN (M) SDN. BHD. (Registration no. 198601005832 (154990-W))
 Plant Location : PLO 312, Jalan Tembaga 4, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor Bahru, Malaysia.
 T: +607. 253 8888 W: WWW.LOTTECHEM.MY

Titanex® • Titanlene® • Titanzex® • Titanpro® • Titanvene®

R02