

Product Data

TITANPRO PD859 FOR THERMOFORMING

- CHARACTER** Polypropylene homopolymer.
Titanpro PD859 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, raffia, slit tape, strapping band, sheet and straw.
- ADVANTAGES** Good processability.
- FABRICATION** Equipment - general extrusion machines.
Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>PD859</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	2.9	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	350	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	15500	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	5.4	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	93	D648
Rockwell Hardness	R scale	90	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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