

Product Data

TITANPRO PM803 FOR THIN WALLED INJECTION MOLDING

- CHARACTER** Polypropylene homopolymer.
Titanpro PM803 is a high flow and also a controlled rheology grade which 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** Thin walled injection molding (TWIM) articles.
Disposable containers and lids, party plates, pen barrels.
- ADVANTAGES** Low molded in stress, good clarity, good balance of stiffness and impact strength, specifically designed for short cycle time, low warpage.
- FABRICATION** Equipment - ram or screw injection machines.
Techniques - standard processing.



<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>PM803</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	50	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	350	D638
Elongation at Yield	%	10	D638
Flexural Modulus	kg/cm ²	18000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	2	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	120	D648
Rockwell Hardness	R scale	108	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.

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

塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168

