

Product Data

TITANPRO SM488 FOR THIN WALLED, HIGH CLARITY INJECTION MOLDING

- CHARACTER** Polypropylene random copolymer.
Titanpro SM488 is a superb clarity grade designed for high transparency articles which complies with the U.S. Food and Drug Administration (FDA) regulation as specified in 21 CFR 177.1520(a)(3)(i) and (c)3.1a.
TSCA Registry: CAS# 9010-79-1
- APPLICATIONS** Superb clarity ISBM articles, baby bottles, drinking containers, housewares, healthcare devices, thin-walled containers, storage containers.
- ADVANTAGES** Superb clarity, good surface finish and color, suitable for hot filling.
- FABRICATION** Equipment - injection stretch blow molding (ISBM) machine, injection molding machine.
Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>SM488</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	20	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	290	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	12000	D790B
Notched Izod Impact Strength at 23°C	kg-cm/cm	6	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	76	D648
Rockwell Hardness	R scale	92	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.

UL Environment Claim Validation Mark

Titanpro® SM488 enables 10% of energy savings and 10% of reduced CO₂ emission on average for the production of clarified polypropylene injection molded articles.



10% Energy Savings



10% Reduced CO₂ Emission

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LOTTE CHEMICAL TITAN (M) SDN. BHD. (Registration no. 198601005832 (154990-W))

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