

Product Data

TITANPRO SM198

FOR BLOW MOLDING, SHEET EXTRUSION AND INJECTION MOLDING

CHARACTER	Polypropylene random copolymer. Titanpro SM198 is a clarified 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	Injection and extrusion blow molding containers, extruded sheet for thermoformed containers and lids, multilayer coextruded structures and sheet, injection molded articles requiring high toughness.
ADVANTAGES	Superior clarity, low odour & taste, hot fillable, good rigidity and impact resistance, cycle time reduction with low processing melt temperature, utilities cost saving and process versatility.
FABRICATION	Equipment - general injection, extrusion blow molding, sheet extrusion and thermoforming machines. Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>SM198</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	1.6	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	290	D638
Elongation at Yield	%	14	D638
Flexural Modulus	kg/cm ²	11000	D790B
Notched Izod Impact Strength at 23°C	kg-cm/cm	34	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	78	D648
Rockwell Hardness	R scale	77	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® SM198 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

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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