



Product Data

TITANPRO SM398 FOR INJECTION MOLDING

CHARACTER	Polypropylene random copolymer. Titanpro SM398 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	High transparency containers, housewares, stationeries.
ADVANTAGES	Excellent clarity, low blooming, good surface finish and colour, cycle time reduction with low processing melt temperature, utilities cost saving, good balance of rigidity and impact resistance.
FABRICATION	Equipment - ram and screw injection machines. Techniques - standard processing.

TYPICAL RESIN PROPERTIES ^(a)	UNIT	SM398	ASTM METHOD ^(b)
Melt Flow Rate, at 230°C	g/10 min	10.5	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	270	D638
Elongation at Yield	%	14	D638
Flexural Modulus	kg/cm ²	10500	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	6	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	80	D648
Rockwell Hardness	R scale	80	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.

UL Environment Claim Validation Mark

Titanpro® SM398 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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