LOTTE CHEMICAL TITAN

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/cm³	**0.9**	D1505
Tensile Strength at Yield	kg/cm²	**270**	D638
Elongation at Yield	%	**14**	D638
Flexural Modulus	kg/cm²	**10500**	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	**6**	D256A
Heat Deflection Temperature at 4.6 kg/cm²	°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 CO_2 emission on average for the production of clarified polypropylene injection molded articles.