

Product Data

TITANPRO SM798N

FOR THIN WALLED, HIGH CLARITY INJECTION MOLDING

CHARACTER Polypropylene random copolymer.
Titanpro SM798N is a high flow and clarified grade designed for high transparency thin wall articles.
It 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 thin walled containers, storage containers.

ADVANTAGES Excellent clarity, good surface finish and color, cycle time reduction with low processing melt temperature, good dimensional stability, good balance of rigidity and impact resistance.

FABRICATION Equipment - injection molding machine.
Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>SM798N</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	60	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	260	D638
Elongation at Yield	%	14	D638
Flexural Modulus	kg/cm ²	10000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	4	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	70 ^(c)	D648
Rockwell Hardness	R scale	94	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.

(c) Heat deflection temperature is based on 3mm thick specimen at 4.6 kg/cm² load.

Shrinkage : 1.1 - 1.3% depending on the product wall thickness and molding parameters.

UL Environment Claim Validation Mark

Titanpro® SM798N 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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