LOTTE CHEMICAL TITAN

Product Data

TITANPRO SM340
FOR INJECTION MOLDING

CHARACTER Polypropylene impact copolymer.
Titanpro SM340 is an intermediate impact material 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 Automotive parts, battery casing, appliances, housewares, seating, jerrycan caps.

ADVANTAGES Superior balance of properties.
Good low temperature impact resistance.
Excellent heat stability.

FABRICATION Equipment - ram or screw injection machines.
Techniques - standard processing.

TYPICAL RESIN PROPERTIES [a]	UNIT	SM340	ASTM METHOD [b]
Melt Flow Rate, at 230°C	g/10 min	**4.0**	D1238
Density	g/cm³	**0.9**	D1505
Tensile Strength at Yield	kg/cm²	**290**	D638
Elongation at Yield	%	**10**	D638
Flexural Modulus	kg/cm²	**13500**	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	**13**	D256A
Heat Deflection Temperature at 4.6 kg/cm²	°C	**85**	D648
Rockwell Hardness	R scale	**82**	D785A
Drop weight impact at -29°C	kg.cm	**280**	Internal Method
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.

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