Product Data

TITANPRO SM540
FOR INJECTION MOLDING

CHARACTER Polypropylene impact copolymer.
Titanpro SM540 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, caps, containers.

ADVANTAGES Medium - high flow
Excellent balance between flow, impact strength and stiffness
Excellent heat stability

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

TYPICAL RESIN PROPERTIES [a]	UNIT	SM540	ASTM METHOD [b]
Melt Flow Rate, at 230°C	g/10 min	**10**	D1238
Density	g/cm³	**0.9**	D1505
Tensile Strength at Yield	kg/cm²	**250**	D638
Elongation at Yield	%	**10**	D638
Flexural Modulus	kg/cm²	**13500**	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	**11**	D256A
Heat Deflection Temperature at 4.6 kg/cm²	°C	**90**	D648
Rockwell Hardness	R scale	**90**	D785A
Drop weight impact at 23°C	kg.cm	**290**	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.