



TITAN PETCHEM (M) SDN. BHD.

(Co. No. 154990 W)
(Formerly known as Titan PP Polymers (M) Sdn. Bhd.)

PLO 312, Jalan Tembaga 4,
Pasir Gudang Industrial Estate,
81700 Pasir Gudang,
Johor Darul Takzim, Malaysia
Tel: +607-2538888
Fax: +607-2517881
Telex: MA 60138 TITAN
www.titangroup.com

Product Data

TITANPRO SM340 FOR INJECTION MOLDING

CHARACTER Polypropylene impact copolymer.
Titanpro SM340 is an intermediate impact material.
The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(3)(i) and (c)3.1a. The adjuvants meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use.
TSCA Registry: CAS# 9010-79-1

APPLICATIONS Automotive parts, battery casing, appliances, housewares, seating, jerrican caps.

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

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

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>TITANPRO SM340</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	4.0	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	290	D638
Elongation at Yield	%	10	D638
Flexural Modulus	kg/cm ²	13500	D790B
Notched Izod Impact Strength at 23°C	kg.cm/cm	13	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°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 averages and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

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