

Product Data

TITANPRO SM840 FOR INJECTION MOLDING

CHARACTER

Polypropylene impact copolymer.

Titanpro SM840 is an extra high flow 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 adjuvant 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, appliances, housewares, washing machine tub, large flat trays, thin walled

articles, flower pots, furniture.

ADVANTAGES

Easy processability, permitting wider latitude in design.

Good toughness at low temperature. Good surface finish and color. Low molded in stresses. Excellent heat stability.

FABRICATION

Equipment - ram or screw injection machines.

Techniques - standard processing.

TYPICAL RESIN PROPERTIES (a)	<u>UNIT</u>	TITANPRO SM840	ASTM METHOD (b)
Melt Flow Rate, at 230°C	g/10 min	35	D1238
Density	g/cm³	0.9	D1505
Tensile Strength at Yield	kg/cm²	280	D638
Elongation at Yield	%	10	D638
Flexural Modulus	kg/cm²	13500	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	8	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	$^{\circ}\mathrm{C}$	90	D648
Rockwell Hardness	R scale	80	D785A
Drop weight impact at -29°C	kg.cm	240	Internal Method
Water absorption after 24 hours	%	0.02	D570

⁽a) Values shown are average and are not to be considered as specifications.

Shrinkage: 1.3 - 1.4% depending on the product wall thickness and molding parameters.

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purposes. Unless otherwise agreed in writing, we sell products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

R0

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