

# Product Data

## TITANPRO EPC40R FOR INJECTION MOLDING

<b>CHARACTER</b>	Polypropylene impact copolymer. Titanpro EPC40R 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
<b>APPLICATIONS</b>	Automotive parts, battery casing, appliances, housewares, seating, caps, containers.
<b>ADVANTAGES</b>	Medium-high flow. Excellent balance between flow, impact strength and stiffness. Excellent heat stability.
<b>FABRICATION</b>	Equipment - ram or screw injection machines. Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> <sup>(a)</sup>	<u>UNIT</u>	<u>EPC40R</u>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	7	D1238
Density	g/cm <sup>3</sup>	0.9	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	280	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm <sup>2</sup>	14000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	12	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	88	D648
Rockwell Hardness	R scale	84	D785A
Vicat Softening Point, 10N	°C	150	D1525
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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