



Product Data

TITANPRO EPC40R FOR INJECTION MOLDING

CHARACTER	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
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.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>EPC40R</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	7	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	280	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	14000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	12	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°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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