

Product Data

TITANPRO JM-370K FOR INJECTION MOLDING

- CHARACTER** Polypropylene impact copolymer.
Titanpro JM-370K is a high flow material which 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** Huge home appliances case and cover, washing machine tub, automotive parts, housewares, large flat trays, thin walled articles, base resin for compounding, furniture.
- ADVANTAGES** Easy processability, permitting wider latitude in design.
Good balance of strength and impact resistance.
Good toughness at low temperature.
Good surface finish and color.
Improvement in mold release and anti-static.
Low molded in stresses.
- FABRICATION** Equipment - ram or screw injection machines.
Techniques - standard processing.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>JM-370K</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	30	D1238
Density	g/cm ³	0.90	D1505
Tensile Strength at Yield	kg/cm ²	230	D638
Elongation at Yield	%	6	D638
Flexural Modulus	kg/cm ²	11200	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	8	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	85	D648
Rockwell Hardness	R scale	85	D785A
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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