

## Lotte Chemical Titan TITANPRO<sup>®</sup> SM240 Polypropylene impact copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

Titanpro<sup>®</sup> SM240 is a 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 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. Applications: Automotive parts, appliances, house-wares, large flat trays, thin complex parts. Advantages: Easy processing, permitting wider latitude in design. Good toughness at low temperature. Good surface finish and color. Low built-in stress. Excellent heat stability. Fabrication: Equipment - ram or screw injection machines. Techniques - standard processing. Information provided by Titan Chemicals CAS# 9010-79-1

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lotte-Chemical-Titan-TITANPRO-SM240-Polypropylene-impact-copolymer.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANPRO-SM240-Polypropylene-impact-copolymer.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Water Absorption	0.020 %	0.020 %	after 24 hrs; ASTM D570
Base Resin Melt Index	25 g/10 min @Temperature 230 Å°C	25 g/10 min @Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ASTM D785A
Tensile Strength, Yield	23.5 MPa	3410 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.18 GPa	171 ksi	ASTM D790B
Izod Impact, Notched	0.784 J/cm	1.47 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Å°C	194 Å°F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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