



TITAN PETCHEM (M) SDN. BHD.
(Co. No. 154990 W)
(Formerly known as Titan PP Polymers (M) Sdn. Bhd.)

PLO 312, Jalan Tembaga 4,
Pasir Gudang Industrial Estate,
81700 Pasir Gudang,
Johor Darul Takzim, Malaysia
Tel: +607-2538888
Fax: +607-2517881
Telex: MA 60138 TITAN
www.titangroup.com

Product Data

TITANPRO SM240 FOR INJECTION MOLDING

- CHARACTER** Polypropylene impact copolymer.
Titanpro 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.
TSCA Registry: CAS# 9010-79-1
- APPLICATIONS** Automotive parts, appliances, housewares, 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.

| <u>TYPICAL RESIN PROPERTIES</u> ^(a) | <u>UNIT</u> | <u>TITANPRO SM240</u> | <u>ASTM METHOD</u> ^(b) |
|---|--------------------|-----------------------|-----------------------------------|
| Melt Flow Rate, at 230°C | g/10 min | 25 | D1238 |
| Density | g/cm ³ | 0.9 | D1505 |
| Tensile Strength at Yield | kg/cm ² | 280 | D638 |
| Elongation at Yield | % | 10 | D638 |
| Flexural Modulus | kg/cm ² | 13500 | D790B |
| Notched Izod Impact Strength at 23°C | kg.cm/cm | 7 | D256A |
| Heat Deflection Temperature at 4.6 kg/cm ² | °C | 90 | D648 |
| Rockwell Hardness | R scale | 80 | D785A |
| Drop weight impact at -29°C | kg.cm | 280 | Internal Method |
| Water absorption after 24 hours | % | 0.02 | D570 |

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

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

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