



## Product Data

### TITANPRO 6531M FOR SLIT TAPE & FIBER

|                     |                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CHARACTER</b>    | Polypropylene homopolymer.<br>Titanpro 6531M complies with the U.S. Food and Drug Administration (FDA) regulation as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a.<br>TSCA Registry: CAS# 9003-07-0 |
| <b>APPLICATIONS</b> | Thermoformed articles, slit tape and monofilament for rope, twine, yarn and industrial fabrics.                                                                                                          |
| <b>ADVANTAGES</b>   | Outstanding processability.<br>Maximum bubble stability for slit tape production by the tubular process.<br>Good melt stability.<br>Low color.<br>Low taste & odor.                                      |
| <b>FABRICATION</b>  | Equipment - general extrusion machines.<br>Techniques - standard processing for tubular and flat die tapes.                                                                                              |

| <b>TYPICAL RESIN PROPERTIES <sup>(a)</sup></b>        | <b>UNIT</b>        | <b>6531M</b> | <b>ASTM METHOD <sup>(b)</sup></b> |
|-------------------------------------------------------|--------------------|--------------|-----------------------------------|
| Melt Flow Rate, at 230°C                              | g/10 min           | 3.5          | D1238                             |
| Density                                               | g/cm <sup>3</sup>  | 0.9          | D1505                             |
| Tensile Strength at Yield                             | kg/cm <sup>2</sup> | 360          | D638                              |
| Elongation at Yield                                   | %                  | 10           | D638                              |
| Flexural Modulus                                      | kg/cm <sup>2</sup> | 17000        | D790B                             |
| Notched Izod Impact Strength at 23°C                  | kg·cm/cm           | 5            | D256A                             |
| Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup> | °C                 | 86           | D648                              |
| Rockwell Hardness                                     | R scale            | 91           | 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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