

## Product Data

### TITANPRO PM655

#### FOR SLIT TAPE, FIBER AND THERMOFORMING

<b>CHARACTER</b>	<p>Polypropylene homopolymer.</p> <p>The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. The adjuvant 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.</p> <p>TSCA Registry: CAS# 9003-07-0</p>
<b>APPLICATIONS</b>	Slit tape and monofilament for rope, twine, yarn and industrial fabrics and thermoformed articles.
<b>ADVANTAGES</b>	<p>Outstanding processability.</p> <p>Maximum bubble stability for slit tape production by the tubular process.</p> <p>Good melt stability and superior fiber strength.</p> <p>Low color, low taste &amp; odor.</p> <p>No plate-out problems on die lips or chill rolls.</p> <p>Good heat-aging stability in yarn and fabric.</p>
<b>FABRICATION</b>	<p>Equipment - general extrusion.</p> <p>Techniques - standard processing for tubular and flat die tapes.</p>

<u>TYPICAL RESIN PROPERTIES</u> <sup>(a)</sup>	<u>UNIT</u>	<u>TITANPRO PM655</u>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt Flow Rate, at 230°C	g/10 min	<b>1.7</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.9</b>	D1505
Tensile Strength at Yield	kg/cm <sup>2</sup>	<b>360</b>	D638
Elongation at Yield	%	<b>12</b>	D638
Flexural Modulus	kg/cm <sup>2</sup>	<b>17500</b>	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	<b>5.5</b>	D256A
Heat Deflection Temperature at 4.6 kg/cm <sup>2</sup>	°C	<b>95</b>	D648
Rockwell Hardness	R scale	<b>95</b>	D785A
Water absorption after 24 hours	%	<b>0.02</b>	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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