



<b>Grade</b>	TI-670M
<b>Product</b>	Polypropylene, Random Copolymer

#### General Information

Key Features	<ul style="list-style-type: none"> <li>- Medical application (Injection)</li> <li>- High transparency, Impact resistance</li> <li>- USP Class VI, FDA DMF, Gamma-ray resistance</li> </ul>
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Applications	- Disposable syringes, Medical products (Gamma-ray resistance)
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Item	Measuring Method	Unit	Value
<b>Physical Properties</b>			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	30.0
Density	ASTM D792	g/cm <sup>3</sup>	0.9
<b>Mechanical Properties</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	260
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	9,800
<b>Impact Properties</b>			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	7
<b>Thermal Properties</b>			
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	°C	85
<b>Additional Properties</b>			
Haze (1mmT)	ASTM D1003	%	8

1. Physical Properties : these are not to be construed as specifications

2. ISO 9001, 14001, /TS 16949

\* The last update date : 2022/09/21