

## ASTM Property

<b>Grade</b>	J-560M
<b>Product</b>	Polypropylene, Random Copolymer

### General Information

**Key Features**

- Medical application (Injection)
- High transparency
- USP Class IV, FDA DMF, Gamma-ray resistance

**Applications**

- Disposable syringe
- Medical products (Gamma-ray sterilization)

Item	Measuring Method	Unit	Value
<b>Physical Properties</b>			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	18.0
Density	ASTM D792	g/cm <sup>3</sup>	0.9
<b>Mechanical Properties</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	300
Tensile Strain (Break)	ASTM D638	%	>100
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	12,000
<b>Impact Properties</b>			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	5.5
<b>Thermal Properties</b>			
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	°C	95
<b>Additional Properties</b>			
Haze (2mmT)	ASTM D1003	%	25

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

\* The last update date : 2026/06/01