

DATASHEET

ASTM Property



Grade	J-560M
Product	Polypropylene, Random Copolymer

General Information

- Key Features**
- Medical application (Injection)
 - High transparency
 - USP Class VI, FDA DMF, Gamma-ray resistance

- Applications**
- Disposable syringes, Medical products (Gamma-ray sterilization)

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	18.0
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	300
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm ²	12,000
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	5.5
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	95
Additional Properties			
Haze (2mmT)	ASTM D1003	%	20

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2023/01/01