

DATASHEET

ASTM Property



Grade	SJ-170M
Product	Polypropylene, Homopolymer

General Information

Key Features	- Medical application (Injection) - High Stiffness, Transparency - USP Class VI, FDA DMF, Gamma-ray resistance
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Applications	- Disposable syringes, Medical products (Gamma-ray sterilization)
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Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	26.0
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	370
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm ²	18,000
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	3.0
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	115

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

* The last update date : 2022/09/21