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

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230℃, 2.16kg)	ASTM D1238	g/10min	26.0
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	370
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/㎠	18,000
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	3.0
Thermal Properties			
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	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