DATASHEET

ASTM Property

Grade	TI-670M
Product	Polypropylene, Random Copolymer

General Information

Key Features	- Medical application (Injection) - High transparency, Impact resitance - USP Class VI, FDA DMF, Gamma-ray resistance
Applications	- Disposable syringes, Medical products (Gamma-ray resistance)

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230℃, 2.16kg)	ASTM D1238	g/10min	30.0
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	260
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/㎠	9,800
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	7
Thermal Properties			
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	85
Additional Properties			
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