

DATASHEET

ASTM Property



Grade	SB-520Y
Product	Polypropylene, Random Copolymer

General Information

Key Features

- Medical application (Blow)
- Excellent Clarity
- USP Class VI, FDA DMF, ISO 10993

Applications

- Medical bottle, IV solution bottle

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	2.4
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	300
Tensile Strain (Break)	ASTM D638	%	≥400
Flexural Modulus	ASTM D790	kgf/cm ²	11,000
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	6
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	95
Additional Properties			
Haze (1mmT)	ASTM D1003	%	30

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

2. ISO 9001, 14001, /TS 16949

* The last update date : 2022/09/21