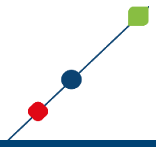
DATASHEET

ASTM Property



LOTTE CHEMICAL

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℃, 2.16kg)	ASTM D1238	g/10min	2.4
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	300
Tensile Strain (Break)	ASTM D638	%	≥400
Flexural Modulus	ASTM D790	kgf/㎠	11,000
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	6
Thermal Properties			
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	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