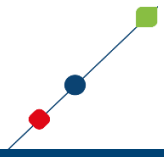
DATASHEET

ASTM Property



LOTTE CHEMICAL

Grade	SB-520
Product	Polypropylene, Random Copolymer

General Information

Key Features	- Good Transparency and Gloss - High Stiffness & Heat resistance
Applications	- Cosmetic and Detergent bottle - Transparent disposable food container - Extrusion & Injection blow molding and Sheet

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230℃, 2.16kg)	ASTM D1238	g/10min	1.8
Density	ASTM D792	g/㎤	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/㎠	340
Tensile Strain (Break)	ASTM D638	%	≥400
Flexural Modulus	ASTM D790	kgf/㎠	14,000
Impact Properties			
Izod Impact Strength (notched, 23℃)	ASTM D256	kgf·㎝/㎝	7.0
Thermal Properties			
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	℃	100
Additional Properties			
Haze (1mmT)	ASTM D1003	%	12

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

* The last update date : 2022/09/21

LIMICO