

Grade	SB-520
Product	PP

## General Information

## Key Features

SB-520 is random copolymer polypropylene for extrusion and blow molding application with good transparency and good gloss for transparent bottle. This grade can be processed by extrusion, injection blow molding and sheet extrusion. SB-520 offers high clarity, flexible stiffness, high heat distortion temperature and chemical resistance. This grade is suitable for food contact. SB-520 is a 'Phthalate-Free' product.

## Applications

- Cosmetic and detergent bottle
- Transparent disposable food container

Item	Measuring Method	Unit	Value
<b>Physical</b>			
Melt Flow Index	ASTM D1238	g/10min	1.8
Density	ASTM D792	g/cm <sup>3</sup>	0.9
<b>Mechanical</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	340
Tensile Strain (Break)	ASTM D638	%	≥400
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	14,000
<b>Impact</b>			
Notched Izod Impact Strength (23°C)	ASTM D256	kgf·cm/cm	7.0
<b>Thermal</b>			
Heat Deflection Temperature	ASTM D648	°C	100
<b>Additional</b>			
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 : 2021/10/01