



RANPELEN SB-520

PP RANDOM COPOLYMER

General Information

● **Description**

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.

● **Applications**

- ◆ Cosmetic and detergent bottle
- ◆ Eye drop and food(syrup) bottle

Physical Properties¹

Physical	Test Method	Nominal Value			
Melt Flow Index	ASTM D1238	1.8	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	270	kgf/cm ²	26	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	10,000	kgf/cm ²	980	MPa
Impact					
Notched Izod Impact Strength (23°C)	ASTM D256	11	kgf·cm/cm	108	J/m
Thermal					
Heat Deflection Temperature(4.6kgf/cm ²)	ASTM D648	103	°C		
Additional Property					
Haze	ASTM D1004	30	%		

NOTE

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