

January, 2008

**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 Properties<sup>1</sup>**

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

**NOTE**

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications