

RANPELEN SB-520

Polypropylene Random Copolymer

Lotte Chemical Corporation

Message:

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.

General Information	
Features	Food Contact Acceptable
	Good Chemical Resistance
	Good Stiffness
	High Clarity
	Medium Gloss
	Random Copolymer
Uses	Blow Molding Applications
	Bottles
RoHS Compliance	RoHS Compliant
Processing Method	Blow Molding
	Extrusion
	Injection Blow Molding
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Flexural Modulus	1320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze	20	%	ASTM D1003

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