

RANPELEN SB-520Y

Polypropylene Random Copolymer

Lotte Chemical Corporation

Message:

SB-520Y is random copolymer polypropylene for blow molding with good transparency and good gloss for medical bottle. This product can be processed by Injection stretch blow molding equipment for IV solution bottle. SB-520Y offers very high clarity, reasonable flexible stiffness and high heat distortion temperature result in maintaining shape and transparence after steam sterilization treatment and has passed the USP class VI tests. This grade is registered at FDA DMF (Drug Master Files) and registration number is 26629.

General Information			
Features	Good Stiffness		
	High Clarity		
	Medium Gloss		
	Random Copolymer		
	Steam Sterilizable		
Uses	Blow Molding Applications		
	Medical/Healthcare Applications		
Agency Ratings	DMF 26629		
	USP Class VI		
RoHS Compliance	RoHS Compliant		
Processing Method	Blow Molding		
	Injection Stretch Blow Molding		
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)	2.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze	50	%	ASTM D1003

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