

B-520 UGCC Random Polypropylene (Blow grade)

Description

B-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. B-520 offers high clarity, flexible stiffness, high heat distortion temperature and chemical resistance. This grade is suitable for food contact. B-520 is a 'Phthalate-Free' product.

Application

Gum bottle, detergent bottle, cosmetic bottle

Physical Properties*			
Physical	Testing methods	Nominal values	
Density (by Gradient technique)	ASTM D 1505	gr/cm ³	0.85-0.95
Melt Flow Rate	ASTM D 1238	g/10min	1.8-2.2
Mechanical			
Tensile Strength at Yield, min.	ASTM D 638	kg f/cm ²	260
Elongation at Break, min.	ASTM D 638	%	100
Flexural Modulus, min.	ASTM D 790	kg f/cm ²	12000
Impact			
Izod Impact Strength (23 °C), min.	ASTM D 256	kg f cm/cm	6.0
Izod Impact Strength (-10 °C), min.	ASTM D 256	kg f cm/cm	1.5
Thermal			
Heat Distortion Temperature (4.6 kgf/cm ²), min.	ASTM D 648	°C	85
Other properties			
Haze	ASTM D 1003	%	30

