

PRB-2C Polypropylene Random Copolymer

PRB-2C is a **certified prime grade Clarified BLOW MOLDING** developed for high contact clarity containers produced by Extrusion-Blow or Injection-Blow molding equipment. **PRB-2C** is a high purity resin of high melt strength offering optimized melt stability for consistent and easy processability, good core release, high Impact strength, Stiffness, and high Gloss surfaces. **PRB-2C** typical applications include pharmaceutical containers, cosmetics, toiletry, and health aid products requiring superior Clarity, Rigidity and Toughness. **PRB-2C** complies with FDA regulation 21CFR 177.1520 (a)(3)(i) (c)3.1+3.2, and most international regulations concerning Polypropylene use in contact with food.

Typical Properties

PROPERTIES*	ASTM TEST	UNIT ENGLISH (METRIC)	NOMINAL VALUES
RESIN			
Melt Flow Rate	D 1238L	gr./10 min	2.0
Density	D 1505	gr./cm ³	0.902
Flexural Modulus ¹	D 790	psi (MPa)	160000 (1104)
MOLDED SPECIMEN*			
Tensile Strength @Yield ²	D 638	psi (MPa)	4300 (30)
Elongation @ Yield ²	D 638	%	11
Izod Impact Notched @23°C	D 256	ft.lb/in. (J/m)	1.3 (70)
Vicat softening point	D 1525	°C.	135
HDT @ 66 psi (0.46 MPa)	D 648	°C.	88
Hardness Rockwell	D 785	R Scale	84

TYPICAL VALUE OF PROPERTIES NOT TO BE CONSTRUED AS SPECIFICATIONS.

* - Test made on injection molded Type 1 tension test specimen according to ASTM D 2146.

1 - 1% secant @ 1.3 mm/min. speed.

2 - @ 50 mm/min. speed.

THIS PRODUCT DATA SHEET EFFECTIVE MARCH 2003 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

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