



VINPOL™ PR480

Random Copolymer Polypropylene

Melt Flow: 48

Density: 0.90

VINPOL PR480 is a random copolymer with high flowability. This product is specially designed for thin wall injection molding (TWIM) applications such as transparent containers and housewares with good organoleptics, processability and high clarity and gloss. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	48	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-1505
Flexural Modulus	164,000 (1,130)	psi (MPa)	ASTM D-790
Tensile Strength at Yield	4,270 (29)	psi (MPa)	ASTM D-638
Elongation at Yield	12	%	ASTM D-638
Notched Izod Impact Strength, 23° C	0.9 (49)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	95	R-scale	ASTM D-785
Heat Deflection Temperature, 66 psi	194 (90)	°F (°C)	ASTM D-648
Haze	9	%	ASTM D-1003

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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