



VINPOL™ PR450M

Random Copolymer Polypropylene

Melt Flow: 45

Density: 0.90

VINPOL PR450M is a clarified random copolymer designed for injection molding applications requiring high transparency, good impact and flow properties. Targeted applications include high transparency TWIM parts, food and other packaging containers as well as various large size home appliances. This resin is FDA compliant with 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow	45	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	4,200 (29)	psi (MPa)	ASTM D-638
Flexural Modulus	170,000 (1,170)	psi (MPa)	ASTM D-790
Elongation at Break	>500	%	ASTM D-638
Notched Izod Impact Strength, 23° C	1.1 (59)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temp. (4.6 kgf/cm ²)	95	°C	ASTM D-648
Rockwell Hardness	85	R	ASTM D-785
Haze (1mm)	6	%	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.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

Rev. Date 09/26/2018

