



VinPol™ PR550M

Random Copolymer Polypropylene

Melt Flow: 55

Density: 0.90

VINPOL PR550M is a high melt flow, clarified random copolymer designed for injection molding applications requiring high transparency, fast cycle time and good mold denesting properties. Targeted applications include high transparency TWIM parts. This resin uses an advanced clarifier with low yellowness index and haze. This resin is FDA compliant with 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

*Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	55	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-1505
Tensile Strength at Yield, 50 mm/min	4,200 (29)	psi (MPa)	ASTM D-638
Flexural Modulus, 1.3 mm/min, 1% Secant	150,000 (1,034)	psi (MPa)	ASTM D-790
Elongation at Yield, 50 mm/min	14	%	ASTM D-638
Notched Izod Impact Strength, 73°F (23° C)	1.0 (53)	ft-lb/in (J/m)	ASTM D-256A
Gardner Impact, 73°F (23° C)	180 (20)	In-lb (J)	ASTM D5420
Heat Deflection Temp. @ 66psi	178 (81)	°F (°C)	ASTM D-648
Plaque Haze (1mm)	10	%	Supplier Method

**Specimens injection molded according to ASTM D4101.*

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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