



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

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