



VinPol™ PR018M

Random Copolymer Polypropylene

Melt Flow: 1.8

Density: 0.90

VINPOL PR018M is a nucleated/clarified random copolymer designed for extrusion and blow molding applications. It is noted for good transparency and gloss, stiffness, a high heat distortion temperature and high chemical resistance. It can be processed by injection blow molding and sheet extrusion. This grade is suitable for food contact and is a "Phthalate-free" product. Typical applications include cosmetic, detergent, eye drop and food syrup bottles. This resin is compliant with FDA 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow	1.8	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	4,550 (31)	psi (MPa)	ASTM D-638
Elongation at Break	>300	%	ASTM D-638
Flexural Modulus	192,000 (1,320)	psi (MPa)	ASTM D-790
Heat Deflection Temperature, 4.6kgf/cm ²	212 (100)	°F (°C)	ASTM D-648
Haze	20	%	ASTM D-1003
Notched Izod Impact, 23°C	0.9 (49)	ft-lb/in (J/m)	ASTM D-256

