



VINPOL™ PR021

Random Copolymer Polypropylene

Melt Flow: 2.1

Density: 0.9

VINPOL PR021 is a random copolymer polypropylene designed for extrusion blow molding applications and thermoforming of medical and other specialty devices and packaging. It has excellent organoleptics and very low ash metal content.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	2.1	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-1501
Tensile Strength at Yield, 50 mm/min	4,140 (28.5)	psi (MPa)	ASTM D-638
Elongation at Yield, 50 mm/min	13	%	ASTM D-638
Flexural Modulus, 1% Secant, 1.3 mm/min	141,000 (972)	psi (MPa)	ASTM D-790A
Deflection Temp. Under Load, 66psi, Unannealed	179 (82)	°F (°C)	ASTM D-648
Notched Izod Impact, 23°C	1.3 (69)	ft-lb/in (J/m)	ASTM D-256A

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.