



VINPOL™ PI820

Impact Copolymer Polypropylene

Melt Flow: 82

Density: 0.895

VINPOL PI820 is an impact copolymer polypropylene designed for frozen dessert packaging and compounds and blends. This resin complies with U.S. FDA 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow	82	g/10 min	ASTM D-1238
Density	0.895	g/cm ³	ASTM D-792A
Tensile Strength at Yield	2,900 (20)	psi (MPa)	ASTM D-638
Tensile Elongation at Yield	5	%	ASTM D-638
Flexural Modulus, 1% Secant, Injection Molded	138,000 (951)	psi (MPa)	ASTM D-790A
Notched Izod Impact Strength, 73° F (23°C)	2.6 (139)	ft-lbf/in (J/m)	ASTM D-256A
Deflection Temp. Under Load (DTUL), 66psi (455kPa)	221 (105)	°F (°C)	ASTM D-648
Hardness	55	Rockwell R	ASTM D-785

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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