



VinPol™ PI210K

Impact Copolymer Polypropylene

Melt Flow: 20

Density: 0.895

VINPOL PI210K is a heterophasic impact copolymer polypropylene with high melt flow and impact strength. This resin is suitable for applications requiring high mechanical properties and is compliant with FDA 21 CFR177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	20	g/10 min	ASTM D-1238
Density	0.895	g/cm ³	ASTM D-792
Tensile Elongation at Yield	6	%	ASTM D-638
Flexural Modulus (1% Secant, Inj. Molded)	109,000 (752)	psi (MPa)	ASTM D-790
Flexural Modulus (1% Secant, Inj. Molded)	94,300 (650)	psi (MPa)	ISO 178
Notched Izod Impact Strength, 23° C	No Break	ft-lb/in	ASTM D-256
Notched Izod Impact Strength, -20° C	1.87 (99.8)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	46	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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