vinmar polymers america

VINPOL™ PI700NS

Impact Copolymer Polypropylene

Melt Flow: 70

Density: 0.910

VINPOL PI700NS is a nucleated and antistatic high flow, medium impact copolymer polypropylene. It is designed for thin walled injection molding applications, such as for closures. This resin complies with U.S. FDA 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow	70	g/10 min	ASTM D-1238
Density	0.910	g/cm^3	ASTM D-792
*Tensile Strength at Yield, 2.0 in/min (51 mm/min)	3,300 (22.8)	psi (MPa)	ASTM D-638
*Tensile Strength at Break, 2.0 in/min (51 mm/min)	2,600 (17.9)	psi (MPa)	ASTM D-638
*Elongation at Yield, 2.0 in/min (51 mm/min)	5	%	ASTM D-638
*Elongation at Break, 2.0 in/min (51 mm/min)	43	%	ASTM D-638
*Flexural Modulus, 1% Secant	165,000 (1,140)	psi (MPa)	ASTM D-790A
*Notched Izod Impact Strength, 73° F (23°C)	2 (107)	ft-lbf/in (J/m)	ASTM D-256
*Notched Izod Impact Strength, -4° F (-20°C)	1 (53)	ft-lbf/in (J/m)	ASTM D-256
*Deflection Temp. Under Load (DTUL), 66psi (455kPa)	220 (105)	°F (°C)	ASTM D-648
*Deflection Temp. Under Load (DTUL), 264psi (1,820kPa)	126 (52)	°F (°C)	ASTM D-648
Hardness	76	Rockwell R	ASTM D-785
Gloss, 60° Angle	60		ASTM D-2457

**Injection molded sample*

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