

VINPOL™ PI080

Impact Copolymer Polypropylene

Melt Flow: 8

Density: 0.9

VINPOL PI080 is a high crystallinity, medium impact copolymer polypropylene designed for injection molding applications. It has medium flow and good color-ability and dimensional stability. Applications include automotive interior parts and trim, toys, child safety seats and other consumer applications.

Resin Property*	Typical Value	Units	Test Method
Melt Flow (230°C/2.16 kg)	8	g/10 min	ASTM D-1238
Density	0.91	g/cm ³	Supplier Method
Tensile Strength at Yield, 2.0 in/min (51 mm/min)	3,600 (24.8)	psi (MPa)	ASTM D-638
Elongation at Yield, 2.0 in/min (51 mm/min)	6.4	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051 in/min (1.3 mm/min)	163,000 (1,120)	psi (MPa)	ASTM D-790A
Flexural Modulus, 1% Secant, 0.51 in/min (13 mm/min)	189,000 (1,300)	psi (MPa)	ASTM D-790B
Notched Izod Impact Strength, 73°F (23°C)	4.3 (230)	ft-lb/in (J/m)	ASTM D-256A
Gardner Impact Strength, -20°F (-29°C), 0.125 in (3.18mm) Geometry GC	211 (23.8)	In-lb (J)	ASTM D-5420
DTUL, 66 psi Unannealed	177 (80.4)	°F (°C)	ASTM D-648

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