

VINPOL™ HD65052

High Density Polyethylene

Melt Index: 65.0

Density: 0.952

VINPOL HD65052 is a high density polyethylene copolymer injection molding resin designed for toughness, good impact strength and processability. It offers good stiffness-toughness balance ideally recommended for applications requiring rugged physical performance and good impact, such as thin wall containers.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	65.0	g/10 min	ASTM D-1238
Density	0.952	g/cm ³	ASTM D-1505
Tensile Strength at Break	26.2 (3,800)	MPa (psi)	ASTM D-638
Tensile Elongation at Break	10	%	ASTM D-638
Flexural Modulus, 2% Secant	1,035 (150,000)	MPa (psi)	ASTM D-790B
Hardness, Shore D	64	-	ASTM D-2240
Vicat Softening Point	120 (248)	°C (°F)	ASTM D-1525
Deflection Temperature Under Load, 66 psi	68 (155)	°C (°F)	ASTM D-648

Note: All properties were derived from compression molded specimens. Actual properties may vary depending on operating conditions and additive packages. Properties are not intended to be used as specifications.

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