



VinPol™ PH040

Homopolymer Polypropylene

Melt Flow: 4

Density: 0.9

VINPOL PH040 is a homopolymer polypropylene designed for extrusion of slit tape, raffia, monofilament, sheet and general purpose injection molding. It has a broad molecular weight distribution and meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	4	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-4883
Tensile Stress at Yield	5,000 (34.5)	psi (MPa)	ASTM D-638
Tensile Strain at Break	>500	%	ASTM D-638
Flexural Modulus	215,000 (1,480)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.7 (37.4)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	103	R Scale	ASTM D-785
Heat Deflection Temperature, 4.6 kgf/cm ²	226 (108)	°F (°C)	ASTM D-648
Vicat Softening Point	304 (151)	°F (°C)	ASTM D-1525

