

VINPOL™ PH010

Homopolymer Polypropylene

Melt Flow: 1.0

Density: 0.90

VINPOL PH010 is a propylene homopolymer designed for stretched products such as flat yarn. It is a low flow rate resin with a broad molecular weight distribution. Targeted applications include flat yarns for woven bags, tape and rope, as well as vacuum forming applications, such as food packaging and industrial trays. This resin is compliant with FDA 21 CFR 177.1520 (C)

Resin Property	Typical Value	Units	Test Method
Melt Flow	1.0	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	5,260 (36)	psi (MPa)	ASTM D-638
Elongation at Break	>500	%	ASTM D-638
Flexural Modulus	235,000 (1,610)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.863 (46)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	103	R Scale	ASTM D-785
Heat Deflection Temperature, 4.6 kgf/cm ²	243 (117)	°F (°C)	ASTM D-648
Vicat Softening Point, 4.6 kgf/cm ²	307 (153)	°F (°C)	ASTM D-1525

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