

VINPOL™ PH020

Homopolymer Polypropylene

Melt Flow: 2.0

Density: 0.90

VINPOL PH020 is a propylene homopolymer with a low flow rate and a broad molecular weight distribution. Targeted applications include flat yarns for woven bags, tape and rope, as well as vacuum forming use in food packaging and industrial trays. This resin is compliant with 21 CFR 177.1520 (C).

Resin Property	Typical Value	Units	Test Method
Melt Flow, I ₂ @ 230°C	2.0	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	4,840 (34)	psi (MPa)	ASTM D-638
Elongation at Break	>500	%	ASTM D-638
Flexural Modulus	219,000 (1,490)	psi (MPa)	ASTM D-790
Rockwell Hardness	100	R	ASTM D-785
Notched Izod Impact Strength, 73°F (23°C)	0.97 (51)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature, 4.6 kgf/cm ²	230 (110)	°F (°C)	ASTM D-648
Vicat Softening Point, 4.6 kgf/cm ²	309 (154)	°F (°C)	ASTM D-1525

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