

VINPOL™ PH0302

Homopolymer Polypropylene

Melt Flow: 3

Density: 0.9

VINPOL PH0302 is a homopolymer polypropylene made from the Spheripol process technology licensed from LyondellBasell. This product is particularly suited for metalizable BOPP film, allowing for a broad processing window combining high speed processing with high stiffness and strength as well as good barrier and optical properties. It is designed for general purpose BOPP film applications, including metallized, and it meets FDA requirements for 21 CFR 177.1520 food contact.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 2.16kg @ 230°C	3	g/10 min	ASTM D-1238L
Density	0.9	g/cm ³	ASTM D-1505
Tensile Strength at Yield	5,260 (36)	psi (MPa)	ASTM D-638
Elongation at Yield	12	%	ASTM D-638
Flexural Modulus	228,000 (1,570)	psi (MPa)	ASTM D-790
Izod Impact Strength, 73°F (23°C)	0.74 (39)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature, 66.7 psi	221 (105)	°F (°C)	ASTM D-648
Vicat Softening Point	295 (146)	°F (°C)	ASTM D-1525
Rockwell Hardness	95	R Scale	ASTM D-785

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