

VINPOL™ PR070

Random Copolymer Polypropylene

Melt Flow: 7.0

Density: 0.895

VINPOL PR070 is a low melting, high ethylene random copolymer with improved color, optics, and impact properties. Targeted applications include non-oriented cast film processes for manufacture of packaging films that require improved optical and impact properties, and as a heat seal layer for oriented films. This resin has passed USP Class VI testing, and all ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). This resin complies with all applicable FDA regulations for food contact applications.

Resin Property	Typical Value	Units	Test Method
Melt Flow	7.0	g/10 min	ASTM D-1238
Density	0.895	g/cm ³	ASTM D-1505
Ultimate Tensile ¹	3,000 (21)	psi (MPa)	ASTM D-882
Elongation at Break ¹	500	%	ASTM D-882
1% Secant Modulus ¹	70,000 (483)	psi (MPa)	ASTM D-882
MVTR ¹ @ 100°F, 90% RH	0.9	g/100 sq- in/24 hrs/mil	ASTM E-96
Haze ¹	2	%	ASTM D-1003
Gloss, 45° ¹	85	%	ASTM D-2457
Dart Impact (F50) ¹	240	g/mil	ASTM D-1709
Heat Seal Temperature ¹	244 (118)	°F (°C)	SIT ² Supplier Method
Melting Point	275 (135)	°F (°C)	DSC ³ Supplier Method

¹Film properties, Non-Oriented

²Minimum seal strength is 200 g/inch at 15 psi pressure and 1 sec.

³DSC-2 Differential Scanning Calorimeter test procedure available upon request.

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