



VINPOL™ PBELV870

Polypropylene Based Elastomer

Low Viscosity

Density: 0.870

VINPOL PBELV870 is a very low viscosity propylene-based elastomer primarily composed of isotactic propylene repeat units with random ethylene distribution and is produced using proprietary metallocene catalyst technology. Its very low viscosity enables its use in hot melt adhesives and as a process aid or viscosity modifier in extrusion and injection molding applications providing enhanced flow characteristics that can lead to efficiency and cycle time improvements. It is available in pellet form.

Resin Property	Typical Value	Units	Test Method
Viscosity @ 374°F (190 °C)	4380	cP	Supplier Method
Ethylene Content	10	wt %	Supplier Method
Density	0.870	g/cm ³	Supplier Method
Durometer Hardness	21	Shore C	Supplier Method
Tensile Strength at Break	580 (4.0)	psi (MPa)	Supplier Method
Tensile Stress at 100%	280 (1.9)	psi (MPa)	Supplier Method
Elongation at Break	1,006	%	Supplier Method
Tensile Strength at Break	2,460 (17.0)	g	Supplier Method
Melting Temperature	196 (91)	°F (°C)	Supplier Method
Glass Transition, T _g	-20 (-29)	°F (°C)	Supplier Method

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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Rev. Date 4/8/2025

