

VINPOL™ PS015

General Purpose Polystyrene

Melt Flow: 1.5

VINPOL PS015 is a crystal, general purpose polystyrene resin with high gloss and transparency. It has good dimensional stability, high heat resistance and is recommended for foam processing as well as a blend component with high impact polystyrene. This product is compliant with FDA 21 CFR 177.1640.

Resin Property	Typical Value	Units	Test Method
Melt Flow Rate, 200°C/5.0kg	1.5	g/10 min	ASTM D-1238
Density	1.04	g/cm ³	ASTM D-792
Tensile Modulus	425,000 (3,250)	psi (MPa)	ASTM D-638
Tensile Modulus at Break	7,700 (52)	psi (MPa)	ASTM D-638
Elongation at Break	2	%	ASTM D-638
¹ Notched Izod Impact, 23°C	0.35 (19)	ft-lb/in (J/m)	ASTM D-256A
² Vicat Softening Temperature, B/50	221 (105)	°F (°C)	ASTM D-1525
³ Heat Deflection Temperature, 264 psi	196 (91)	°F (°C)	ASTM D648
Water Absorption	0.03	%	ASTM D-570

¹Injection molded test specimen 63/12.6/3.5 mm (C/L/E); Notch cutting radius 0.25R +/- 0.05; Depth 2.54 mm.

²Test performed with weight of 5kg and heating 50°C /h.

³Test specimen molded by injection of 128/13/6,3 mm (C/L/E). Test Load of 264 psi.

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