

VINPOL™ PS110

General Purpose Polystyrene

Melt Flow: 11

Water Clear & Blue Tint

VINPOL PS110 is a medium flow general purpose polystyrene suitable for use in molding, compounding, and extrusion processes. Products made using this resin exhibit excellent clarity and gloss. This product meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1640.

| Resin Property | Typical Value | Units | Test Method |
|---------------------------------------|---------------|-------------------|-------------|
| Melt Flow Rate, (200 °C/5.0kg) | 11 | g/10 min | ASTM D-1238 |
| Specific Gravity | 1.05 | g/cm ³ | ASTM D-792 |
| Tensile Strength at Yield | 6,100 | psi | ASTM D-638 |
| Tensile Modulus | 435,000 | psi | ASTM D-638 |
| Ultimate Elongation | 2 | % | ASTM D-638 |
| Flexural Strength at Yield | 8,400 | psi | ASTM D-638 |
| Flexural Modulus | 440,000 | psi | ASTM D-638 |
| Hardness, Rockwell M | 75 | - | ASTM D-795 |
| Izod Impact, 1/8" bar at 73 °F | 0.4 | ft-lbs/in | ASTM D-265 |
| Mold Shrinkage | 0.003-0.006 | in/in | ASTM D-955 |
| Vicat Softening Temperature | 220 | °F | ASTM D-1525 |
| Heat Deflection Temperature at 66 psi | 182 | °F (°C) | ASTM D-648 |

*These properties represent values on specimens prepared and performed according to ASTM testing conditions. They are intended as guidelines only.

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