



Hoffman PVC 117-110

Hoffman Plastic Compounds Inc. - Rigid Polyvinyl Chloride

General Information

General

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|----------------|---|
| Features | <ul style="list-style-type: none"> • High Rigidity |
| Uses | <ul style="list-style-type: none"> • Piping |
| Agency Ratings | <ul style="list-style-type: none"> • NSF |
| Forms | <ul style="list-style-type: none"> • Pellets |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|------------------|----------|-------------|
| Density / Specific Gravity | 1.40 | | ASTM D792 |
| Molding Shrinkage - Flow | 3.0E-3 to 5.0E-3 | in/in | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 420000 | psi | ASTM D638 |
| Tensile Strength | 7300 | psi | ASTM D638 |
| Flexural Modulus | 440000 | psi | ASTM D790 |
| Flexural Strength | 13100 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (0.125 in) | 0.65 | ft-lb/in | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 81 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 166 | °F | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | V-0 | | UL 94 |

Processing Information

| Extrusion | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 300 to 330 | °F |

Extrusion Notes

The processing temperature given is for a standard nozzle tip and screw. The temperature range for a smear nozzle tip and PVC screw is 330 - 360°F.