

Hoffman PVC V7-31

Rigid Polyvinyl Chloride
Hoffman Plastic Compounds Inc.

Message:

Hoffman PVC V7-31 is a rigid polyvinyl chloride material. This product is available in North America and is processed by injection molding. The main characteristics of Hoffman PVC V7-31 are:
flame retardant/rated flame
Hard
The typical application fields of Hoffman PVC V7-31 are: water pipes/pipes/drinking water

| General Information | | | |
|---|-------------------|-------------------|-------------|
| UL YellowCard | E179872-226810 | | |
| Features | Rigidity, high | | |
| Agency Ratings | NSF Not Rated | | |
| Appearance | Available colors | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.39 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.30 - 0.50 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 81 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2930 | MPa | ASTM D638 |
| Tensile Strength | 48.3 | MPa | ASTM D638 |
| Flexural Modulus | 2960 | MPa | ASTM D790 |
| Flexural Strength | 89.6 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 40 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 74.4 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | V-0 | | UL 94 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 149 - 166 | °C | |
| Injection instructions | | | |

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.

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

