



# Hoffman PVC V7-31

Hoffman Plastic Compounds Inc. - Rigid Polyvinyl Chloride

## General Information

General	
Features	<ul style="list-style-type: none"> <li>• High Rigidity</li> </ul>
Agency Ratings	<ul style="list-style-type: none"> <li>• NSF</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>• Colors Available</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39		ASTM D792
Molding Shrinkage - Flow	3.0E-3 to 5.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	425000	psi	ASTM D638
Tensile Strength	7000	psi	ASTM D638
Flexural Modulus	430000	psi	ASTM D790
Flexural Strength	13000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.75	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

Injection	Nominal Value	Unit
Processing (Melt) Temp	300 to 330	°F

### Injection 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.