

Hoffman PVC V7-47

Hoffman Plastic Compounds Inc. - Rigid Polyvinyl Chloride

General Information

General

Features	<ul style="list-style-type: none"> • High Flow • High Rigidity
Forms	<ul style="list-style-type: none"> • Pellets
Processing Method	<ul style="list-style-type: none"> • Injection Molding

Properties ¹

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	410000	psi	ASTM D638
Tensile Strength	7100	psi	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.5	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	160	°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.