Westlake PVC HH-6730

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

General Information

Product Description

HH-6730 is a high heat/high flow injection molding grade PVC alloy with a price/performance niche between high flow vinyl and utility engineering thermoplastics. It combines excellent flow, toughness and heat deflection characteristics that are a marked improvement over standard vinyl. In addition, HH-6730 has enhanced heat and light stability, color hold and surface appearance, making it an ideal candidate for parts requiring good heat warpage resistance.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Color Stability • Good Toughness • High Flow	• High Heat Resistance • High Rigidity • Pleasing Surface Appearance	• Warp Resistant
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18 to 1.22	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Flow Ratio [2] (199 to 204°C)	210		Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength (Yield)	44.1	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	53	J/m	
23°C, 3.18 mm	160	J/m	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	110		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	90.0	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	85.0	°C	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	30	%	ASTM D2863

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Distance/Wall Thickness