

Westlake PVC HL-5009

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

General Information

Product Description

HL-5009 is an AXIALL injection molding compound designed with high melt flow properties for water distribution systems. This product is listed under NSF Standard 14.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• High Flow
Agency Ratings	• CSA B182.1 • CSA B182.2 • NSF STD-14
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38 to 1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
PVC Cell Classification	12454		ASTM D1784
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3170	MPa	ASTM D638
Tensile Strength	51.0	MPa	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	74.0	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed	71.0	°C	ASTM D648

Notes

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