

Axiall PVC HL-5009

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

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 Information			
Features	High liquidity		
Agency Ratings	CSA B182.1		
	CSA B182.2		
	NSF 14		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38 - 1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.30	%	ASTM D955
PVC Cell Classification	12454		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	74.0	°C	ASTM D648
1.8 MPa, not annealed	71.0	°C	ASTM D648

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