

Axiall PVC DL-5009

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

DL-5009 is a rigid injection molding PVC compound for interior fittings applications and is designed for hot runner molds, large parts and multi-cavity molds. The DL-5009 compound is characterized by excellent process ability, which includes color hold, regrind stability and surface appearance. DL-5009 is NSF listed under Standard 14 and Standard 61 for both potable water and DWV applications.

General Information			
Features	Rigidity, high		
	Workability, good		
	Good appearance		
Uses	Accessories		
	Potable water application		
Agency Ratings	ASTM D 1784		
	NSF 14		
	NSF 61		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42 - 1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.30	%	ASTM D955
PVC Cell Classification	12454		ASTM D1784
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Yield)	49.0	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648
Melting Temperature	199 - 204	°C	

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