

Axiall PVC MD-5009

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf MD-5009 is a rigid, fitting-grade PVC compound designed for hot spruce/runner molds, large parts and multi-cavity molds. This compound is characterized by excellent processability, which includes color hold, regrind stability and surface appearance. MD-5009 is NSF listed under standard 14/61 for both potable water and DWV applications.

General Information			
UL YellowCard	E53006-100058651		
Features	Good Color Stability		
	Good Processability		
	Good Surface Finish		
Uses	Fittings		
Agency Ratings	NSF 14		
	NSF 61		
UL File Number	E53006		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
PVC Cell Classification	12454		ASTM D1784
Flow Ratio ¹	175		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ASTM D638
Tensile Strength	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			ASTM D256
-20°C, 3.18 mm	37	J/m	
23°C, 3.18 mm	59	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	38	%	ASTM D2863
NOTE			

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| 1. | Distance/Wall Thickness, 390 to
400°F |
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