

Westlake PVC MD-5009

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Sunday, September 15, 2019

General Information

Product Description

AXIALL's 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

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Color Stability • Good Processability • Good Surface Finish
Uses	• Fittings
Agency Ratings	• NSF STD-14 • NSF STD-61
UL File Number	• E53006
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / 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 ²	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			ASTM D648
1.8 MPa, Unannealed	71.0	°C	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	38	%	ASTM D2863

Notes

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

² Distance/Wall Thickness, 390 to 400°F