

Westlake PVC DL-5009

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

General Information

Product Description

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

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Processability	• High Rigidity	• Pleasing Surface Appearance
Uses	• Fittings	• Potable Water Applications	
Agency Ratings	• ASTM D1784	• NSF STD-14	• NSF STD-61
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.42 to 1.46	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	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 to 204	°C	

Notes

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