

Axiall PVC 6509

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Axiall PVC 6509 is a rigid polyvinyl chloride material. This product is available in North America. The main characteristics of Axiall PVC 6509 are: flame retardant/rated flame.

General Information			
UL YellowCard	E53006-243314		
UL File Number	E53006		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.40	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	7.58	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	53	J/m	ASTM D256
23°C, 3.18 mm	750	J/m	ASTM D256
Dart Drop Impact ¹ (23°C)	25.3	J	ASTM D3029
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	70.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	36	%	ASTM D2863
Additional Information			
Flow Ratio (Distance/Wall Thickness), Georgia Gulf Test Method, 390 to 400°F: 215			
NOTE			
1.	Method f, geometry FB		

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