

# Axiall PVC 7434

Rigid Polyvinyl Chloride

Axiall Corporation

## Message:

7434 is a special-purpose rigid PVC compound designed for applications requiring toughness, durability, chemical resistance, and ease of processing.

General Information	
Features	Rigidity, high
	Workability, good
	Good chemical resistance
	Durability
	Good toughness
Agency Ratings	NSF 14
	NSF 51
	NSF 61

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35 - 1.39	g/cm <sup>3</sup>	ASTM D792
PVC Cell Classification	12454		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	71 - 77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3030	MPa	ASTM D638
Tensile Strength	49.6	MPa	ASTM D638
Flexural Modulus	3030	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Melting Temperature	182 - 196	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.0 mm, GY, WT, BK)	V-0		UL 94

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