

# Axial PVC 7140

Rigid Polyvinyl Chloride

Axial Corporation

Message:

7140 is a special purpose rigid PVC compound designed for applications requiring the following properties:

- Weatherability
- Gloss
- Impact Strength & Toughness
- Flame Retardant
- Extrudability for Profiles and Moldability for Fittings
- UL & NSF Listed

General Information	
UL YellowCard	E53006-243328
Features	Flame Retardant
	Good Impact Resistance
	Good Toughness
	Good Weather Resistance
	Medium Gloss
Agency Ratings	NSF 50
	NSF 61
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Profile Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm <sup>3</sup>	ASTM D792
PVC Cell Classification	15344		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength (Yield)	44.8	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength (Yield)	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	800	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.2	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (0.720 mm, All Colors)	V-0		UL 94
Additional Information	Nominal Value		Test Method
Weatherability	F1		UL 746C

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