

Axiall PVC 7803

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Axiall PVC 7803 is a Rigid Polyvinyl Chloride material. It is available in North America for extrusion. Primary attribute of Axiall PVC 7803: Impact Resistant.

General Information			
UL YellowCard	E53006-243336		
Features	High Impact Resistance		
Uses	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
PVC Cell Classification	16223		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield)	36.7	MPa	ASTM D638
Flexural Modulus	1960	MPa	ASTM D790
Flexural Strength	60.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	200	J/m	
-40°C, 6.35 mm	140	J/m	
-29°C, 3.18 mm	350	J/m	
-29°C, 6.35 mm	210	J/m	
-18°C, 3.18 mm	750	J/m	
-18°C, 6.35 mm	480	J/m	
0°C, 3.18 mm	1200	J/m	
0°C, 6.35 mm	720	J/m	
23°C, 3.18 mm	1300	J/m	
23°C, 6.35 mm	1100	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	66.3	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Extrusion	Nominal Value	Unit	

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Recommended distributors for this material

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