

# Axial PVC 3842

Rigid Polyvinyl Chloride

Axial Corporation

## Message:

3842 is a rigid, twin-screw extrusion cellular foam powder PVC compound for interior applications or as a substrate. The compound incorporates a foaming agent that provides consistent blowing properties and cellular structure. Parts made with the 3842 have excellent impact durability and this compound can be produced in multiple colors, as requested.

General Information			
Features	Rigidity, high		
Appearance	Available colors		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.449 - 0.549	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	57 - 63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ASTM D638
Tensile Strength	13.8	MPa	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	20.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648

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## Recommended distributors for this material

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