

Axial PVC 6300

Rigid Polyvinyl Chloride

Axial Corporation

Message:

Georgia Gulf 6300 is a type I, Grade I rigid vinyl injection molding compound designed for fittings and parts of similar configuration where maximum tensile strength and/or chemical resistance is required. It has full NSF approval and is suitable for all types of water distribution systems, including pressure fittings.

General Information			
Features	Good chemical resistance		
Uses	Accessories		
Agency Ratings	NSF Not Rated		
UL File Number	E53006		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
PVC Cell Classification	12454-B		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3170	MPa	ASTM D638
Tensile Strength (Yield)	49.3	MPa	ASTM D638
Flexural Modulus	2820	MPa	ASTM D790
Flexural Strength	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 6.35 mm	43	J/m	ASTM D256
23°C, 6.35 mm	59	J/m	ASTM D256
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
Oxygen Index	38	%	ASTM D2863
Additional Information			

Flow Ratio (Distance/Wall Thickness), Georgia Gulf Test Method, 390°F: 130

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