

Axiall PVC SP-6235

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf SP-6235 is a high flow rigid PVC compound designed for electrical and custom molding applications. This compound features excellent physical properties, high melt flow, and exceptionally high impact strength, especially at low temperatures. SP-6235 also carries an elevated UL Relative Thermal Index rating.

General Information			
UL YellowCard	E53006-243363		
Features	High Flow		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Electrical Parts		
UL File Number	E53006		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	37.2	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	80	J/m	
-20°C, 3.18 mm	170	J/m	
0°C, 3.18 mm	720	J/m	
23°C, 3.18 mm	1100	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	68.0	°C	
0.45 MPa, Annealed	75.0	°C	
1.8 MPa, Unannealed	61.0	°C	
1.8 MPa, Annealed	69.0	°C	
Vicat Softening Temperature ¹	88.0	°C	ASTM D1525 ²
RTI Elec	85.0	°C	UL 746
RTI Imp	85.0	°C	UL 746
RTI Str	95.0	°C	UL 746
Flammability	Nominal Value		Test Method

Flame Rating	UL 94
	V-0
1.50 mm	5VA
	V-0
2.03 mm	5VA
	V-0
3.00 mm	5VA

NOTE

1. Annealed
2. Rate A (50°C/h)

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