

# Axiall PVC SP-6560

Rigid Polyvinyl Chloride

Axiall Corporation

## Message:

SP-6560 is a general purpose, high-impact, electrical-grade rigid injection molding PVC compound for interior applications that is characterized by excellent flow, heat stability, color hold, and surface appearance.

General Information			
UL YellowCard	E53006-243315		
Features	Rigidity, high		
	Impact resistance, high		
	Good liquidity		
	Thermal stability, good		
	General		
	Excellent appearance		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33 - 1.37	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.030 - 0.40	%	ASTM D955
Flow Ratio <sup>1</sup> (199 to 204°C)	200		Internal method
Weatherability	F1		UL 746C
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	160	J/m	ASTM D256
23°C, 3.18 mm	1000	J/m	ASTM D256
Drop Impact Resistance <sup>2</sup> (23°C)	129	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	75.0	°C	ASTM D648
1.8 MPa, not annealed	71.0	°C	ASTM D648
RTI Elec (1.4 mm)	90.0	°C	UL 746

RTI Imp (1.4 mm)	85.0	°C	UL 746
RTI (1.4 mm)	90.0	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
	V-0		

Flame Rating	5VA		UL 94
Oxygen Index	36	%	ASTM D2863

NOTE			
1.	Distance/Wall Thickness		
2.	Program A, C 1/2 "R up		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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