

Suprel® SVA 9420

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf Suprel® 9420 Alloy is engineered for injection molding applications that require outstanding impact resistance or toughness, particularly at low temperatures. This alloy complies with specifications frequently referenced in the telecommunications industry, has good UL flammability listings and weatherability listings per UL 746-C.

General Information			
UL YellowCard	E53006-243285	E53006-243286	E53006-243287
Features	Good Impact Resistance		
	Good Toughness		
	Low Temperature Impact Resistance		
	Low Temperature Toughness		
Uses	Telecommunications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
	f2		
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1570	MPa	ASTM D638
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	590	J/m	
23°C, 3.18 mm	800	J/m	
Drop Impact Resistance	75.6	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	67.0	°C	
0.45 MPa, Annealed	73.0	°C	
1.8 MPa, Unannealed	64.0	°C	
1.8 MPa, Annealed	71.0	°C	

Vicat Softening Temperature	81.0	°C	ASTM D1525 ¹
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Flammability	Nominal Value		Test Method
	V-0		

Flame Rating (2.25 mm)	5VA	UL 94
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NOTE		
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- Rate A (50°C/h)

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WECHAT