

Novalloy-S S1100 (Type G)

Polycarbonate + ABS

Daicel Polymer Ltd.

Message:

Novalloy-S S1100 (Type G) is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific. Primary attribute of Novalloy-S S1100 (Type G): Flame Rated.

General Information			
UL YellowCard	E47773-239747		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	53.0	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	86.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	80	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm	110	°C	ASTM D648
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 110	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	210 to 240	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	230 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	
Back Pressure	5.00 to 20.0	MPa	
Screw Speed	50 to 100	rpm	

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Recommended distributors for this material

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