

Novalloy-S S6500L

Polycarbonate + ABS

Daicel Polymer Ltd.

Message:

Novalloy-S S6500L is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific. Primary attribute of Novalloy-S S6500L: Flame Rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	45	g/10 min	
240°C/5.0 kg	26	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	54.0	MPa	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	85.0	°C	ASTM D648
1.8 MPa, Unannealed	79.0	°C	ISO 75-2/A
Vicat Softening Temperature	94.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
2.50 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	190 to 210	°C	
Middle Temperature	210 to 230	°C	
Front Temperature	230 to 250	°C	
Nozzle Temperature	220 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	5.00 to 15.0	MPa	
Screw Speed	40 to 60	rpm	

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Recommended distributors for this material

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