

Novalloy-X X72S2 (Type W)

Polycarbonate + Styrenic

Daicel Polymer Ltd.

Message:

Novalloy-X X72S2 (Type W) is a polycarbonate styrene (PC styrene) material. This product is available in the Asia-Pacific region. The main characteristics of Novalloy-X X72S2 (Type W) are: flame retardant/rated flame.

General Information			
UL YellowCard	E47773-239811		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	50	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	48.0	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)	14	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	83.0	°C	ISO 75-2/A
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	V-0		
2.00 mm	5VB		
2.50 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	190 - 210	°C	
Middle Temperature	210 - 230	°C	
Front Temperature	230 - 250	°C	
Nozzle Temperature	220 - 250	°C	
Mold Temperature	40.0 - 60.0	°C	
Back Pressure	5.00 - 15.0	MPa	
Screw Speed	40 - 60	rpm	

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