

Novalloy-X X7303L

Polycarbonate + Styrenic

Daicel Polymer Ltd.

Message:

Novalloy-X X7303L is a Polycarbonate + Styrenic (PC+Styrenic) material. It is available in Asia Pacific. Primary attribute of Novalloy-X X7303L: Flame Rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.16	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 to 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	79.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	41	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	87.0	°C	ASTM D648
1.8 MPa, Unannealed	79.0	°C	ISO 75-2/A
Vicat Softening Temperature	93.0	°C	ISO 306/B50
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.80 mm	V-1		
	V-0		
2.50 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 80.0	°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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