

NOVAREX® 7022E TW3

Polycarbonate

Mitsubishi Engineering-Plastics Corp

Message:

NOVAREX® 7022E TW3 is a Polycarbonate (PC) material. It is available in Asia Pacific.

General Information			
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	23.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60	%	
Flow	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	64.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.3	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	101	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	114	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	6.5E-5	cm/cm/°C	
Transverse	6.6E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Electric Strength	18	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
100 Hz	3.20		
1 MHz	3.20		
Dissipation Factor			IEC 60250
100 Hz	1.7E-3		

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Recommended distributors for this material

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