NOVAREX® 7020R

Polycarbonate

Mitsubishi Engineering-Plastics Corp

Message:

NOVAREX® 7020R is a Polycarbonate (PC) material. It is available in Asia Pacific. Primary attribute of NOVAREX® 7020R: High Flow.

General Information			
UL YellowCard	E53664-243595		
Features	High Flow		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.20	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	18.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60	%	
Flow	0.60	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress (Yield)	62.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.6	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	93.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	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)	123	°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	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Electric Strength	17	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
100 Hz	3.10		
1 MHz	3.10		
Dissipation Factor			IEC 60250

100 Hz	6.0E-4	
1 MHz	9.0E-3	
Comparative Tracking Index (CTI)	PLC 2	UL 746

Recommended distributors for this material

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