

NOVAREX

Polycarbonate Resin

				Anti-static
Properties	Test Method	Terms	Units	7022E
				TW3
				Clear
				-
				-
				-
Physical properties				
Density	ISO 1183	-	g/cm ³	1.20
Water absorption		23degC, 50%RH 23degC, Underwater	%	- 0.24
Rheological properties				
Melt Mass-flow Rate	ISO 1133	Temperature Load	g/10min	24
Melt Volume-flow Rate			cm ³ /10min	23
			degC	300
			kgf	1.20
Moulding shrinkage (3.2mmt)	-	MD TD	%	0.5 - 0.7 0.5 - 0.7
Mechanical properties				
Tensile modulus	ISO 527-1 , 527-2	-	MPa	2700
Yield stress			64	
Yield strain			%	6.3
Nominal strain at break			114	
Stress at 50% strain			MPa	-
Stress at break			MPa	-
Strain at break			%	-
Flexural strength	ISO 178	-	MPa	101
Flexural modulus				2500
Charpy impact strength	ISO 179-1 , 179-2	23 degC	kJ/m ²	NB
Charpy notched impact strength		23 degC	kJ/m ²	7
Thermal properties				
Temperature of deflection under load	ISO 75-1 , 75-2	1.80MPa 0.45MPa	degC	114 126
Coefficient of Linear thermal expansion	ISO 11359-2	MD TD	1/degC	6.5E-05 6.6E-05
Flammability	UL94	-	-	-
Electrical properties				
Relative permittivity	IEC 60250	100Hz	-	3.2
		1MHz	-	3.2
Dissipation factor	IEC 60250	100Hz	-	0.0017
		1MHz	-	0.0097
Volume resistivity	IEC 60093	-	ohm-m	3.E+13
Surface resistivity	IEC 60093	-	ohm	3.E+14
Electric strength	IEC 60243-1	1mmt	MV/m	-
		2mmt		-
		3mmt		18
Comparative tracking index (CTI)	UL746A	-	-	

The listed properties are portrayed as general information only and are not product specifications.

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