Xydar® G-930

LCP-GF30 Syensqo

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**15900**	MPa	ASTM D 638
Tensile Strength	**135**	MPa	ASTM D 638
Elongation at Break	**1.6**	%	ASTM D 638
Flexural Modulus	**13400**	MPa	ASTM D 790
Flexural Strength	**172**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**96**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**430**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**282**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**305**	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	**V-0**	-	UL 94
Thickness tested	**0.4**	mm	-
Coefficient of Thermal Expansion, MD	**5.4**	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	**60**	E-6/K	ASTM D 696
DTUL @ 66 psi	**301**	°C	ASTM D 648
DTUL @ 264 psi	**274**	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**39**	kV/mm	ASTM D 149
Dielectric Constant, 60 Hz	**4.2**	-	ASTM D 150
Dielectric Constant, 1 MHz	**3.9**	-	ASTM D 150
Volume Resistivity	**>1E15**	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**0.1**	%	ASTM D 570
Density	**1600**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**149**	°C	-
Pre-drying - Time	**6 - 8**	h	-
Melt temperature	**321 - 360**	°C	-
Mold temperature	**66 - 93**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Special Characteristics
Flame retardant, U.V. stabilized or stable to weather

Features
Low Warpage

Chemical Resistance
General Chemical Resistance, Radiation Resistance

Applications
Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific