

Xydar® G-930

LCP-GF30

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Density, 73°F	1600	kg/m ³	ASTM D 792
Water Absorption, 24hr	0.1	%	ASTM D 570

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
Notched Impact Strength (Izod), 1/8 in	96	J/m	ASTM D 256
Impact Strength (Izod), 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

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	-

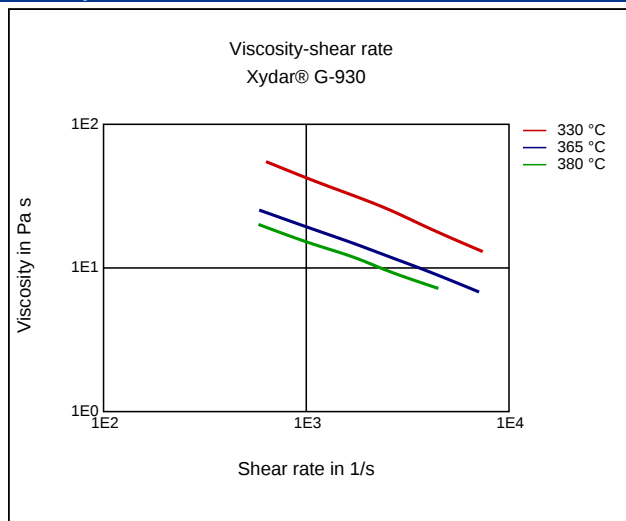
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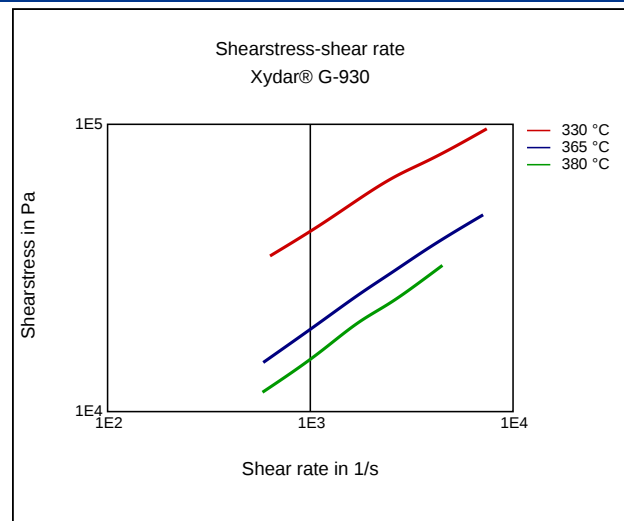
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Diagrams

Viscosity-shear rate



Shearstress-shear rate



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, UV stablized

Features

Low Warpage

Chemical Resistance

General Chemical Resistance, Radiation Resistance

Applications

Electrical and Electronical