

Xydar® G-330 HH BK

LCP-GF30

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	-0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	16000	MPa	ISO 527
Stress at break	127	MPa	ISO 527
Strain at break	1.2	%	ISO 527
Flexural modulus, 23°C	19000	MPa	ISO 178
Izod impact strength, +23°C	28	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Melting Temperature	420	°C	ASTM D 3418
Other Standards^[5]			
Coefficient of Thermal Expansion, MD	7.2	E-6/K	ASTM E 831

S: These properties are reported by the producer according standards that are different to our defaults.

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1.8E15	Ohm	ASTM D 257
Volume Resistivity	1.9E16	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1600	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	6 - 8	h	-
Melt temperature	410 - 450	°C	-
Mold temperature	130 - 160	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

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

Features

Low Warpage, Thermal Stability

Chemical Resistance

General Chemical Resistance, Radiation Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific