

Xydar® MG-850 NT

LCP-(GF+MX)50

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.058	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.41	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	19	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Modulus	15500	MPa	ASTM D 638
Tensile Strength at Break	110	MPa	ASTM D 638
Elongation at Break	1	%	ASTM D 638
Flexural Modulus	16500	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	288	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.2	mm	-

Other properties	Value	Unit	Test Standard
Density	1860	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	6 - 8	h	-
Melt temperature	330 - 360	°C	-
Mold temperature	70 - 160	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

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

Features

Low Warpage

Chemical Resistance

General Chemical Resistance

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific