

Xydar® M-345 BK
LCP-MX45

Syensqo

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8200	MPa	ISO 527
Stress at Break	80	MPa	ISO 527
Strain at Break	2.5	%	ISO 527
Impact Strength (Charpy), +23°C	36	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	5.8	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	9700	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	237	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	281	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1800	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	340 - 370	°C	-
Mold temperature	70 - 160	°C	-

Characteristics
Processing

Injection Molding

Features

Low Warpage

Delivery form

Pellets, Black

Chemical Resistance

General Chemical Resistance

Special Characteristics

Flame retardant, UV stablized

Applications

Electrical and Electronical