

Xydar® M-345 NT

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
Flexural modulus, 23°C	9700	MPa	ISO 178
Charpy impact strength, +23°C	36	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5.8	kJ/m ²	ISO 179/1eA

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
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

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