

Siveras™ LX80M25 AH LCP

TECHNICAL DATA

Product Description

Heat resistance, High flow, Low warpage

Uses	• Connectors
Processing Method	• Injection Molding
ISO Designation	• >LCP-(GF+MD)25<
Type	• LCP/GF+Mineral filler reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm	0.30	%	
Flow : 1.00 mm	-0.37	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	154	MPa	ASTM D638
23°C	145	MPa	ISO 527-2
Tensile Elongation			
Break	2.9	%	ASTM D638
Break, 23°C	1.2	%	ISO 527-2
Flexural Modulus			
--	15300	MPa	ASTM D790
23°C	16000	MPa	ISO 178
Flexural Strength			
--	163	MPa	ASTM D790
23°C	159	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Notched Izod Impact	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	260	°C	
CLTE			ASTM D696
Flow	0.10	cm ³ /cm/°C	
Transverse	0.90	cm ³ /cm/°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.38 mm)	V-0		UL 94

Toray Industries, Inc.

