

Siveras™ LX80T35 AF LCP

TECHNICAL DATA

Product Description

Heat resistance, High flow

Uses	• Connectors
Processing Method	• Injection Molding
ISO Designation	• >LCP-(GF+MD)35<
Type	• LCP/GF+Mineral filler reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.67	g/cm ³	ASTM D792
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.91	%	
Flow : 1.00 mm	-0.11	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	145	MPa	ASTM D638
23°C	131	MPa	ISO 527-2
Tensile Elongation			
Break	4.6	%	ASTM D638
Break, 23°C	1.6	%	ISO 527-2
Flexural Modulus			
--	13300	MPa	ASTM D790
23°C	14100	MPa	ISO 178
Flexural Strength			
--	171	MPa	ASTM D790
23°C	162	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	61	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	262	°C	
CLTE			ASTM D696
Flow	0.60	cm ⁻⁵ /cm/°C	
Transverse	2.2	cm ⁻⁵ /cm/°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.78 mm)	V-0		UL 94

Notes

¹ 80x80x1mm

Toray Industries, Inc.

