

LARAMID K/40 HM

PPA-CF

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	36000	MPa	ISO 527
Stress at break	290	MPa	ISO 527
Strain at break	0.8	%	ISO 527
Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	280	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	290	°C	ISO 75-1/-2
Vicat softening temperature, B	275	°C	ISO 306
Coeff. of linear therm. expansion, parallel	1	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	5	E-6/K	ISO 11359-1/-2
Electrical properties			
ASTM Data			
Surface Resistivity	10	Ohm	ASTM D 257
Volume Resistivity	100	Ohm*cm	ASTM D 257
Other properties			
Density	1370	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120 - 130	°C	-
Pre-drying - Time	3	h	-
Melt temperature	310 - 340	°C	-
Mold temperature	150 - 170	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Chemical Resistance

General Chemical Resistance