LATAMID 66 H2E21 G/13

PA66-GF — LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.7**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.2**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**4600**	MPa	ISO 527
Yield stress	**100**	MPa	ISO 527
Yield strain	**3**	%	ISO 527
Stress at break	**100**	MPa	ISO 527
Strain at break	**4**	%	ISO 527
Charpy impact strength, +23°C	**65**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**230**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**255**	°C	ISO 75-1/-2
Vicat softening temperature, B	**235**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**80**	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	**1E12**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1200**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**90 - 100**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**270 - 290**	°C	-
Mold temperature	**70 - 90**	°C	-

Characteristics

Processing
Injection Molding

Regional Availability
Europe

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat