LATAN 13 S/30

POM-GB — LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**1.9**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3600**	MPa	ISO 527
Yield stress	**35**	MPa	ISO 527
Yield strain	**5.5**	%	ISO 527
Stress at break	**35**	MPa	ISO 527
Strain at break	**20**	%	ISO 527
Charpy impact strength, +23°C	**35**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**1.5**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**115**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**160**	°C	ISO 75-1/-2
Vicat softening temperature, B	**150**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**75**	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94
Thickness tested	**1.5**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	**600**	-	IEC 60112
ASTM Data			
Surface Resistivity	**1E12**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1600**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**180 - 210**	°C	-
Mold temperature	**80 - 100**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe