

TECHNICAL DATA SHEET

TECHNYL SLIDE A 219 V20 TF20 NC
(Previously DOMAMID L 66G20TF20H1)

Polyamide 66, 20% glass fiber reinforced, heat-aging stabilized, for injection moulding

General

Feature	Heat-aging stabilized
Polymer type	PA66 (Polyamide 66)
Processing technology	Injection molding
Certification	RoHS

Product identification

ISO 16396 designation	PA66,GF20,M1H,S14-060
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	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm ³	1.43
Molding shrinkage, parallel		ISO 294-4, 2577	%	0.5 - 0.7
Molding shrinkage, normal		ISO 294-4, 2577	%	1 - 1.2
Melt flow rate, MFR		ISO 1133	g/10 min	25

Mechanical properties				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	5800 / -
Stress at break	5 mm/min	ISO 527-1/-2	MPa	125 / -
Strain at break	5 mm/min	ISO 527-1/-2	%	3 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	50 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	10 / -
Izod impact strength, +23°C	+23°C	ISO 180/1U	kJ/m ²	50 / -
Izod notched impact strength, +23°C	+23°C	ISO 180/1A	kJ/m ²	9 / -

Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	262
Temp. of deflection under load, 0.45 MPa	0.45 MPa	ISO 75	°C	245
Vicat softening temperature	50°C/h - 50N	ISO 306	°C	250

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	Condition	Standard	Unit	Value
Electrical properties				
Volume resistivity		IEC 62631-3-1	ohm.m	1E+013
Surface resistivity		IEC 62631-3-1	ohm	1E+013

Burning behaviour

Flammability, 0.75 mm	0.75 mm	UL 94		HB
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Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products.
*: conditioned according to ISO 1110

Processing conditions

Drying temperature/time	75-85°C / 2-4h (with dew point of dried air < -30 °C)
Recommended melt temperature	260 - 285 °C
Recommended mould temperature	80 - 120 °C

These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

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