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TECHNYL® MAX
High stiffness & strength

DOMO
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TECHNICAL DATA SHEET

TECHNYL MAX A 219 XV65 NC

(Previously DOMAMID XS 66V65H1 119 NC)

Polyamide 66, 65% glass fiber reinforced, heat-aging stabilized, for injection moulding, natural color

General

Feature	Heat-aging stabilized	
Polymer type	PA66 (Polyamide 66)	
Processing technology	Injection molding	
Certification	RoHS	EC 1907/2006 (REACH)
Colors available	Black	Natural
Forms	Pellets	

Product identification

ISO 16396 designation	PA66,GF65,M1H,S14-250

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm³	1.78
Molding shrinkage, parallel		ISO 294-4, 2577	%	0.1 - 0.3
Molding shrinkage, normal		ISO 294-4, 2577	%	0.3 - 0.45
Mechanical properties				**dam / cond.***
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	25000 / 22500
Stress at break	5 mm/min	ISO 527-1/-2	MPa	250 / 220
Strain at break	5 mm/min	ISO 527-1/-2	%	2 / 2.3
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	21300 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	400 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	75 / -
Charpy impact strength, -30°C	-30°C	ISO 179/1eU	kJ/m²	70 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	17 / -
Izod impact strength, +23°C	+23°C	ISO 180/1U	kJ/m²	65 / -
Izod notched impact strength, +23°C	+23°C	ISO 180/1A	kJ/m²	17 / -

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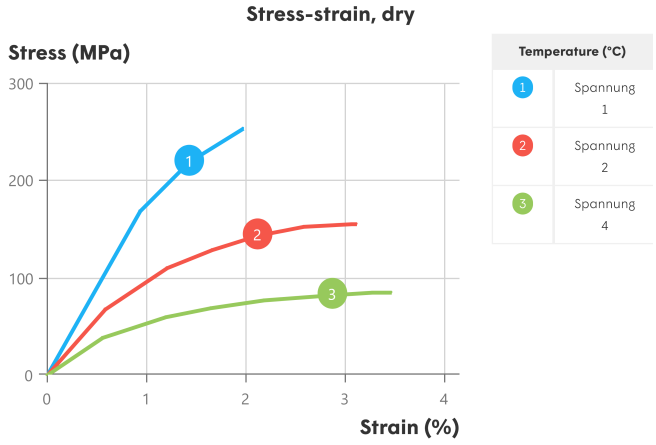
	Condition	Standard	Unit	Value
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	260
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	245
Vicat softening temperature	50°C/h - 50N	ISO 306	°C	230
Electrical properties				
Volume resistivity		IEC 62631-3-1	ohm.m	10000000000
Burning behaviour				
Flammability, 0.75 mm	0.75 mm	UL 94		HB
Burning rate, FMVSS, Thickness 1 mm		FMVSS 302		< 100 mm/min

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	280 - 305 °C
Recommended mould temperature	70 - 100 °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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