

TECHNICAL DATA SHEET

TECHNYL AX 219S V50 BK B
(Previously DOMAMID XS 66G50H1 119 BK)

PA66-Alloy, 50% glass fiber reinforced, heat-aging stabilized, for injection moulding, black

General

Feature	Heat-aging stabilized
Polymer type	PA66-Alloy
Processing technology	Injection molding
Certification	RoHS
Colors available	Black
Forms	Pellets

	Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm ³	1.57
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Mechanical properties

dam / cond.*

Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	17500 / -
Stress at break	5 mm/min	ISO 527-1/-2	MPa	255 / -
Strain at break	5 mm/min	ISO 527-1/-2	%	2 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	100 / -
Charpy impact strength, -30°C	-30°C	ISO 179/1eU	kJ/m ²	85 / -

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	260
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Electrical properties

Volume resistivity		IEC 62631-3-1	ohm.m	10000000000
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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 black 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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