

TECHNICAL DATA SHEET

TECHNYL AX 239S C30 NC

(Previously DOMAMID XS 66C30I2H1 119 NC99)

Polyamide 66, 30% carbon fiber reinforced, heat-aging stabilized, impact modified, for injection moulding, natural color

General

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

Product identification

ISO 16396 designation	PA66-I,CF30,M1H,S14-190
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	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm ³	1.21

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	165 / -
Strain at break	5 mm/min	ISO 527-1/-2	%	4.6 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	13000 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	70 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	14 / -

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	262
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Electrical properties

Volume resistivity		IEC 62631-3-1	ohm.m	10
Surface resistivity		IEC 62631-3-1	ohm	100

Burning behaviour

Flammability, 0.75 mm	0.75 mm	UL 94		HB
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Condition

Standard

Unit

Value

*Test run at 23°C if not differently specified, DAM state (dry as moulded).
: 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.