

TECHNICAL DATA SHEET

TECHNYL C 116S V15 BK 21N

(Previously DOMAMID 6LVG15 300 BK)

Polyamide 6, 15% glass fiber reinforced, improved flowability, for injection moulding, black

General

Feature	Improved flowability
Polymer type	PA6 (Polyamide 6)
Processing technology	Injection molding
Certification	RoHS

Product identification

ISO 1043 abbreviation	PA6-GF15
ISO 16396 designation	PA6,GF15,M1,S12-060

Physical properties

	Condition	Standard	Unit	Value
Density		ISO 1183	g/cm ³	1.23
Melt volume-flow rate, MVR, 5.0 kg	275°C, 5kg	ISO 1133	cm ³ /10 min	90
Viscosity number	96% H2SO4	ISO 307	cm ³ /g	125

Mechanical properties

				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	6200 / -
Stress at break	5 mm/min	ISO 527-1/-2	MPa	120 / -
Strain at break	5 mm/min	ISO 527-1/-2	%	2.5 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	4700 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	45 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	5.5 / -

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	221
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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	250 - 290 °C
Recommended mould temperature	80 - 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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