

TECHNICAL DATA SHEET

TECHNYL C 116S V35 BK 21N

(Previously DOMAMID 6LVG35 403 BK99)

Polyamide 6, 35% glass fiber reinforced, improved surface finish, for injection molding, black

General

Feature	Improved surface finish
Polymer type	PA6 (Polyamide 6)
Processing technology	Injection molding

Product identification

ISO 1043 abbreviation	PA6-GF35
ISO 16396 designation	PA6,GF35,M1,S12-110

Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm ³	1.42
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Mechanical properties

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Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	11500 / 7300
Stress at break		ISO 527-1/-2	MPa	195 / 130
Strain at break		ISO 527-1/-2	%	3.2 / 6
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	9000 / 7600
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	315 / 205
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	95 / 100
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	15 / 25

*: 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

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