

## TECHNICAL DATA SHEET

# TECHNYL C 216 S25 V25 NC

(Previously DOMAMID 6LVGB5025 NC)

Polyamide 6, 50% glass fiber and glass beads, improved flowability, for injection moulding, natural color

### General

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

### Product identification

ISO 1043 abbreviation	PA6-(GF+GB)50
ISO 16396 designation	PA6-I,(GF+GB)50,M1,S14-110

	Condition	Standard	Unit	Value
Density		ISO 1183	g/cm <sup>3</sup>	1.55

### Physical properties

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Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	11000 / -
Stress at break		ISO 527-1/-2	MPa	150 / -
Strain at break		ISO 527-1/-2	%	2.5 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	10000 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	230 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m <sup>2</sup>	57 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	11 / -

### Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	221
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### Electrical properties

Volume resistivity		IEC 62631-3-1	ohm.m	1E+015
Surface resistivity		IEC 62631-3-1	ohm	1E+014

	Condition	Standard	Unit	Value
<b>Burning behaviour</b>				
Burning rate, FMVSS, Thickness 1 mm		FMVSS 302		< 100 mm/min

\*: 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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