

## TECHNICAL DATA SHEET

# TECHNYL C 216MF NC

(Previously DOMAMID 6I1 508 NC)

Polyamide 6, impact modified, for injection moulding, natural color

### General

Feature	Impact modified
Polymer type	PA6 (Polyamide 6)
Processing technology	Injection molding
Certification	RoHS

### Product identification

ISO 1043 abbreviation	PA6-I
ISO 16396 designation	PA6-I,M1,S14-030

	Condition	Standard	Unit	Value
Density		ISO 1183	g/cm <sup>3</sup>	1.1

### Physical properties

				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	2600 / -
Strain at break		ISO 527-1/-2	%	> 20 / -
Yield stress		ISO 527-1/-2	MPa	68 / -
Yield strain		ISO 527-1/-2	%	4 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	2400 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	100 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m <sup>2</sup>	NB / -
Charpy impact strength, -30°C	-30°C	ISO 179/1eU	kJ/m <sup>2</sup>	NB / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	13 / -
Charpy notched impact strength, -30°C	-30°C	ISO 179/1eA	kJ/m <sup>2</sup>	8 / -

### Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	221
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\*: 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	240 - 280 °C
Recommended mould temperature	60 - 80 °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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