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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
Physical properties				
Density		ISO 1183	g/cm³	1.1
Mechanical 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/m²	NB / -
Charpy impact strength, -30°C	-30°C	ISO 179/1eU	kJ/m²	NB / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	13 / -
Charpy notched impact strength, -30°C	-30°C	ISO 179/1eA	kJ/m²	8 / -
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	221

**: conditioned according to ISO 1110*

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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.