

EXPERIMENTAL DATASHEET

TECHNYL A 208F2 NC

Polyamide 66, heat-aging stabilized, improved flowability, for injection molding, natural color

General

Polymer type	PA66 (Polyamide 66)
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Product identification

ISO 1043 abbreviation	PA66
ISO 16396 designation	PA66,M1H,S14-030

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm ³	1.14

Mechanical properties

				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	3200 / -
Stress at break		ISO 527-1/-2	MPa	68 / -
Strain at break		ISO 527-1/-2	%	26 / -
Yield stress		ISO 527-1/-2	MPa	90 / -
Yield strain		ISO 527-1/-2	%	7 / -
Charpy impact strength, -30°C	-30°C	ISO 179/1eU	kJ/m ²	69 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	5.1 / -
Charpy notched impact strength, -30°C	-30°C	ISO 179/1eA	kJ/m ²	3.8 / -

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	261
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	70

Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products.
 *: conditioned according to ISO 1110

Processing conditions

Drying temperature/time	80°C
Suggested max moisture	0.2 %
Rear temperature	260 - 270 °C
Middle temperature	270 - 280 °C
Front temperature	280 - 290 °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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