

TECHNICAL DATA SHEET

TECHNYL A 422 NC FL

TECHNYL A 422 NC FL is an unreinforced polyamide PA66 medium viscosity for injection moulding. It is used for consumers and industrials goods applications and is particularly suitable for injection molding of thick parts.

General

Feature	Balanced stiffness/toughness Impact resistant	Very high flow
Polymer type	PA66 (Polyamide 66)	
Processing technology	Injection molding	
Certification	RoHS	EC 1907/2006 (REACH)
Applications	Consumer good application	Industrial Applications
Colors available	Natural	
Forms	Pellets	

Product identification

ISO 1043 abbreviation	PA66
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Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm <sup>3</sup>	1.14
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Mechanical properties

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Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	3200 / -
Stress at break		ISO 527-1/-2	MPa	50 / -
Strain at break		ISO 527-1/-2	%	30 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	5 / -

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	263
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Electrical properties

Dielectric strength	1 mm	IEC 60243-1	kV/mm	22
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\*: conditioned according to ISO 1110

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Processing conditions

Drying temperature/time	80 °C
Suggested max moisture	0.2 %
Rear temperature	265 - 275 °C
Middle temperature	270 - 280 °C
Front temperature	280 - 285 °C
Recommended mould temperature	60 - 80 °C

Disclaimer

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