

TECHNICAL DATA SHEET

TECHNYL 4EARTH A1E 316 NC H
(Previously TECHNYL 4EARTH A4E 316 NATURAL)

Polyamide 66, medium-high viscosity, for injection moulding, naturel

General

Feature	Medium viscosity	
Polymer type	PA66 (Polyamide 66)	
Processing technology	Injection molding	
Certification	RoHS	EC 1907/2006 (REACH)
Applications	Consumer good application	Industrial Applications
Forms	Pellets	

Product identification

ISO 1043 abbreviation	PA66(REC)
ISO 16396 designation	PA66,(R100),M1,S14-030

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm³	1.13
Molding shrinkage, parallel		ISO 294-4, 2577	%	1.6
Molding shrinkage, normal		ISO 294-4, 2577	%	1.7

Mechanical properties				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	3160 / 1270
Stress at break		ISO 527-1/-2	MPa	77 / 45
Strain at break		ISO 527-1/-2	%	30 / 150
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	150 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	4.8 / 11

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	265
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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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