

TECHNICAL DATA SHEET

TECHNYL 4EARTH A1E 318 V25 BK H
(Previously TECHNYL 4EARTH A4E 318 V25 BLACK)

Polyamide 66, reinforced with 25% of glass fibers, heat stabilized and impact modified, for extrusion, black

General

Feature	Heat-aging stabilized	Medium viscosity
Polymer type	PA66 (Polyamide 66)	
Processing technology	Extrusion	
Certification	RoHS	EC 1907/2006 (REACH)
Applications	General Purpose	
Colors available	Black	
Forms	Pellets	

Product identification

ISO 1043 abbreviation	PA66(REC)-GF25
ISO 16396 designation	PA66,GF25(R100),EH,S14-080

Condition	Standard	Unit	Value
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Physical properties

Molding shrinkage, parallel		ISO 294-4, 2577	%	0.15
Molding shrinkage, normal		ISO 294-4, 2577	%	0.95

Mechanical properties

				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	8000 / -
Stress at break		ISO 527-1/-2	MPa	155 / -
Strain at break		ISO 527-1/-2	%	3.5 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	75 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	10 / -

*: conditioned according to ISO 1110

Processing conditions

Drying temperature/time	80 °C
Suggested max moisture	0.2 %
Rear temperature	270 - 280 °C
Middle temperature	275 - 285 °C
Front temperature	280 - 290 °C
Recommended mould temperature	70 - 100 °C