

EXPERIMENTAL DATASHEET

TECHNYL 4EARTH A1E 318 V25 BK

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

General

Certifications	RoHS	EC 1907/2006 (REACH)
Polymer type	PA66	
Feature	heat-aging stabilized	medium viscosity
Applications	general purpose	
Colors available	black	
Forms	pellets	
Processing technology	extrusion	

Product identification

ISO 1043 abbreviation	PA66(REC)-GF25
ISO 16396 designation	PA66,GF25(R>50),EH,S14-080

Condition	Standard	Unit	Value
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Physical properties

	Condition	Standard	Unit	Value
Molding shrinkage, parallel		ISO 294-4, 2577	%	0.15
Molding shrinkage, normal		ISO 294-4, 2577	%	0.95

	Condition	Standard	Unit	Value
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/m ²	75 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	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