

TECHNICAL DATA SHEET

## TECHNYL 4EARTH A1E 318 V40 BK

### TECHNYL XA4E 1753 BLACK

Polyamide 66, reinforced with 40% of glass fibre, heat stabilized, for extrusion, black

#### General

Polymer type	PA66
Certifications	RoHS
Feature	heat-aging stabilized
Applications	automotive applications
Colors available	black
Forms	pellets
Processing technology	extrusion

#### Product identification

ISO 1043 abbreviation	PA66-GF40
ISO 16396 designation	PA66,GF40(R>50),EH,S14-120

Condition	Standard	Unit	Value
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#### Physical properties

Density		ISO 1183	g/cm <sup>3</sup>	1.45
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	Condition	Standard	Unit	Value
<b>Mechanical properties</b>				<b>dam / cond.*</b>
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	13000 / -
Stress at break		ISO 527-1/-2	MPa	208 / -
Strain at break		ISO 527-1/-2	%	2.6 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	12000 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	319 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m <sup>2</sup>	80 / -
Izod impact strength, +23°C	+23°C	ISO 180/1U	kJ/m <sup>2</sup>	68 / -

\*: **conditioned according to ISO 1110**

	Condition	Standard	Unit	Value
<b>Thermal properties</b>				
Melting temperature, 10°C/min		ISO 11357-1	°C	259
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	248