

TECHNICAL DATA SHEET

TECHNYL 4EARTH A1E 318 V40 BK
(Previously TECHNYL XA4E 1753 BLACK)

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

General

| | |
|--------------|---------------------|
| Polymer type | PA66 (Polyamide 66) |
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Product identification

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

Physical properties

| | Condition | Standard | Unit | Value |
|---------|-----------|----------|-------|-------|
| Density | | ISO 1183 | g/cm³ | 1.45 |

Mechanical properties

| | | | | dam / cond.* |
|-------------------------------|----------|--------------|-------|--------------|
| 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/m² | 80 / - |
| Izod impact strength, +23°C | +23°C | ISO 180/1U | kJ/m² | 68 / - |

Thermal properties

| | | | | |
|--|----------|-------------|----|-----|
| 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 |

*: conditioned according to ISO 1110

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