

TECHNICAL DATA SHEET

TECHNYL 4EARTH C2E 238 V17 BK B
(Previously DOMONYL 1820R17T1H BK-1)

PA6, 17% Glass Fiber, Impact Modified, Heat Stabilized, Black

General

Feature	Heat-aging stabilized	Impact modified
Polymer type	PA6 (Polyamide 6)	
Processing technology	Injection molding	
Certification	RoHS	EC 1907/2006 (REACH)
Colors available	Black	
Forms	Pellets	

Product identification

ISO 1043 abbreviation	PA6-GF17
ISO 16396 designation	PA6-I,GF17(R>50),M1H,S14-050

Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm ³	1.22
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Mechanical properties

dam / cond.*

Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	5000 / -
Stress at break		ISO 527-1/-2	MPa	90 / -
Strain at break		ISO 527-1/-2	%	3 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	10 / -

Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	220
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	190

Electrical properties

Volume resistivity		IEC 62631-3-1	ohm.m	1E+014
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*: conditioned according to ISO 1110

Processing conditions

Drying temperature/time	3-4hrous typical at 75-80°C
Recommended melt temperature	245 - 280 °C
Recommended mould temperature	40 - 90 °C