

TECHNICAL DATA SHEET

TECHNYL A 219 V30 BK

TECHNYL A 218W V30 BLACK TE

TECHNYL A 219 V30 BK is a polyamide 66, reinforced with 30% of glass fibre, heat stabilized, for injection moulding. This grade offers an improved hydrolysis resistance, as well as an excellent combination between thermal and mechanical properties. It is also restricts eletrolytical corrosion.

General

Certifications	RoHS	EC 1907/2006 (REACH)
Polymer type	PA66	
Feature	heat-aging stabilized	

Product identification

ISO 1043 abbreviation	PA66-GF30
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Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm ³	1.36
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Condition	Standard	Unit	Value
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Mechanical properties

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Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	10000 / 7500
Stress at break		ISO 527-1/-2	MPa	190 / 135
Strain at break		ISO 527-1/-2	%	3 / 7
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	9000 / 6400
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	290 / 215
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	75 / 85
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	11 / 15

*: **conditioned according to ISO 1110**

Condition	Standard	Unit	Value
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Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	262
Temp. of deflection under load, 0.45 MPa	0.45 MPa	ISO 75	°C	260
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	255

Processing conditions

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