

TECHNICAL DATA SHEET

TECHNYL LITE C 118 V60 T250 BK
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TECHNYL LITE C 118 V60 T250 BK is an UD TAPE material, polyamide 6, reinforced with 60% of glass fiber, heat stabilized. It offers a superior mechanical properties (high strength to weight ratio), excellent toughness, very good processability, high fiber impregnation, optimal cost performance ratio, for demanding applications

General

Polymer type	PA6
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Product identification

Condition	Standard	Unit	Value
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Physical properties

Condition	Standard	Unit	Value
Tape density	ISO 1183-1	g/cm ²	1.7
Tape thickness		mm	0.25
Areal weight		g/m ²	425.0
Fiber mass content	DIN EN ISO 11358-1	%	60.0
Fiber volume content		%	40.0

Condition	Standard	Unit	Value
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Mechanical properties

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Condition	Standard	Unit	Value
Axial tensile modulus (0°)		MPa	31000.0
Axial stress at break (0°)	ISO 527-5	MPa	745.0
Axial strain at break (0°)		%	2.5
Axial bending modulus (0°)	DIN EN ISO 14125	MPa	29200.0
Axial bending strength (0°)	DIN EN ISO 14125	MPa	960.0

*: **conditioned according to ISO 1110**

Condition	Standard	Unit	Value
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Thermal properties

Melting temperature, 10°C/min		ISO 11357-1	°C	221
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