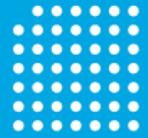


TECHNICAL DATA SHEET

TECHNYL LITE C 118 V70 T250 BK

TECHNYL Lite C250 V70



TECHNYL LITE C 118 V70 T250 BK is an UD TAPE material, polyamide 6, reinforced with 70% 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

Certifications	RoHS	EC 1907/2006 (REACH)
Polymer type	PA6	
Feature	heat-aging stabilized high stiffness	excellent processability
Applications	structural	
Colors available	black	
Forms	tapes	
Processing technology	tape manufacture tape laying winding	hybrid molding weaving

Product identification

Condition	Standard	Unit	Value
-----------	----------	------	-------

Physical properties

Condition	Standard	Unit	Value
Tape density	ISO 1183-1	g/cm ²	1.85
Tape thickness		mm	0.25
Areal weight		g/m ²	464.0
Fiber mass content	DIN EN ISO 11358-1	%	70.0
Fiber volume content		%	51.0

	Condition	Standard	Unit	Value
Mechanical properties				dam / cond.*
Axial tensile modulus (0°)			MPa	38700.0
Axial stress at break (0°)		ISO 527-5	MPa	90.0
Axial strain at break (0°)			%	2.5
Axial bending modulus (0°)		DIN EN ISO 14125	MPa	40000.0
Axial bending strength (0°)		DIN EN ISO 14125	MPa	1250.0

***: conditioned according to ISO 1110**

	Condition	Standard	Unit	Value
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	221