

Tepex® dynalite 102–RG600(x)/47%

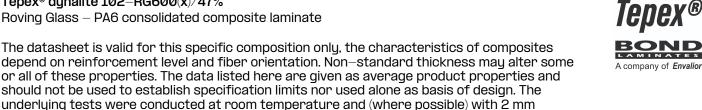
PA6-GF66

Print Date: 2025-08-21

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Roving Glass - PA6 consolidated composite laminate

highly recommended to achieve representative results.



PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD	
LAYUP	VALUE			
Fiber	E-Glass 1200 tex			
Weaving style	Twill 2/2		DIN ISO 9354	
Area weight (dry fabric)	600	g/m²	DIN EN 12127	
Weight rate (0°/90°)	50/50	%/%		
Polymer	Polyamide 6 (PA	Polyamide 6 (PA6)		
Fiber volume content	47	vol.–%	nominal	
Thickness per layer	0.5	mm	nominal	
MECHANICAL PROPERTIES	DRY / COND			
Tensile Modulus	23 / 18	GPa	ISO 527-4/5	
Tensile Strength	390 / 380	MPa	ISO 527-4/5	
Elongation at Break	2.2 / 2.3	%	ISO 527-4/5	
Flexural Modulus	20 / 16	GPa	ISO 14125	
Flexural Strength	580 / 300	MPa	ISO 14125	

specimen thickness. For tensile and flexural tests a specimen width of 25 mm was used and is

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
THERMAL PROPERTIES	DRY / COND		
Density	1800 / -	kg/m³	ISO 1183
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Heat deflection temperature (0.1% flex. Modulus)	215	°C	ISO 75-1/3
CLTE -35°C to 23°C (0°)	16	E-6/°C	ISO 11359-1/-2
CLTE 23°C to 80°C (0°)	18	E-6/°C	ISO 11359-1/-2

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