

## Tepex® dynalite 111–RG600(x)/47%

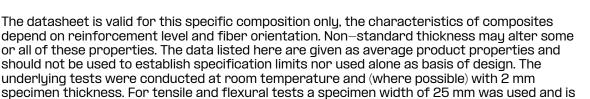
PE-HD-GF70

Print Date: 2025-08-21

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Roving Glass - HDPE 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	High Density Polyethylene (HDPE)		
Fiber volume content	47	vol.–%	nominal
Thickness per layer	0.5	mm	nominal
MECHANICAL PROPERTIES	DRY / COND		
Tensile Modulus	18 / -	GPa	ISO 527-4/5
Tensile Strength	310 / -	MPa	ISO 527-4/5
Elongation at Break	2.1 / -	%	ISO 527-4/5
Flexural Modulus	12 / -	GPa	ISO 14125
Flexural Strength	150 / –	MPa	ISO 14125

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
THERMAL PROPERTIES	DRY / COND		
Density	1710 / –	kg/m³	ISO 1183
Melting temperature (10°C/min)	129 / *	°C	ISO 11357-1/-3
Heat deflection temperature (0.1% flex. Modulus)	82	°C	ISO 75-1/3

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