



Properties of GPE35

Matrix	HDPE	Fibre	E-glass
Fibre Content- Vf%	35	Fibre content Wf%	60
Width	100mm	Thickness	0.3 mm
Process pressure	> 150 p.s.i	Process temperature	210C

AtenPly, is a continuous, fibre reinforced thermoplastic composite prepreg tape, made direct from the fibre roving and thermoplastic melt to produce a light weight, high-strength, well impregnated tape with unidirectional fibre reinforcement. AtenPly is made to standard widths and thicknesses but other sizes, fibre volume fractions etc are available on request.

Properties of laminates made of GPE35	Units	Test Method	UD	0/90
Tensile Strength	MPa	ISO527	740	
Tensile Modulus	GPa	ISO527	29.5	
Tensile Strain to Break	%	ISO527		
Flexural Strength	MPa	ISO4125	470	
Flexural Modulus	GPa	ISO4125	28	
Compressive Strength	MPa	ISO4126		
Compressive Modulus	GPa	ISO4126		
In Plane Shear Strength S12	MPa	ISO4129		

Disclaimer: We believe all information given is accurate. It is offered in good faith but without guarantee. Since Jonam Composites Ltd have no control over the use of this material, all risks are assumed by the user. It is recommended that the user perform its own tests to determine the suitability of the material, its compatibility with other materials used for a particular design or application.