

Data Sheet of Advanced Matrix Prepreg TEXIPREG[®] FF562

EE300 FF562 GLASS FABRIC PREPREG

PROPERTIES

<i>Dry Fabric</i>	<i>Unit</i>	<i>Typical Value</i>
Weaving Style	-	8 Harness Satin
Glass Fiber	-	E glass EC9 68
Warp	threads/cm	23
Weft	threads/cm	21
Areal Weight	g/m ²	300 (± 4%)

<i>Uncured Prepreg</i>	<i>Unit</i>	<i>Typical Value</i>
Out Life @ 23°C	days	30
Storage Life @ -18°C	months	12
Nominal Area Weight	g/m ²	448
Nominal Resin Content	Wt %	33 (± 3)
Volatile Content	Wt %	4 ÷ 7

<i>Cured Material Properties (*)</i>	<i>Unit</i>	<i>Typical Value</i>	<i>Standard Method</i>
Cured Ply Thickness	mm	0.22	
Tensile Strength	MPa	450	ASTM D 3039
Tensile Modulus	GPa	22	ASTM D 3039
Flexural Strength	MPa	480	ASTM D 790
Flexural Modulus	GPa	24	ASTM D 790
Compressive Strength	MPa	t.b.d.	Modified ASTM D695 (SACMA SRM 1-88)
I.L.S.S.	MPa	35	ASTM D 2344

(*) The tests were carried out @ 23°C and 60% R.H. on specimens cured in std conditions (dwell @150° for 1 hour in hot plate press. External pressure applied: 3 bar). The tests were performed along the warp direction.

These information are properties of SEAL S.p.A. and correspond to the present knowledge and are without any legal binding. The values of the cured properties may change due to processing conditions. Modifications due to technical progress or commercial policy change are possible.