

Resin Testing

Test	Units	Standard Test Method	PMT Test Method
Gel Time	Deg C	ASTM D3532	PTSM 70-402 Rev A
Tg By DMA	Deg C	ASTM E1640/D7028	
Density	kg/m ³	ASTM D792	PSTM 70-415
Specific Gravity	g/c ³	ASTM D792	PSTM 70-415
FTIR		ASTM E1252	OUTSOURCED
Viscosity	cP , mPa	ASTM D4440	OUTSOURCED
Particle Loading	%	Percent By Weight	Calculate

Physicals

Test	Units	Standard Test Method	PMT Test Method
Flow	m ³ /s	ASTM D3529	PTSM 70-404 Rev A
Tack	Levels		PTSM 70-405 Rev B
Drape	Breakage		PTSM 70-406 Rev A
Volatile	%	ASTM D3530	PTSM 70-403 Rev A
Resin Content	%	ASTM D3529	PSTM 70-401
FAW	gsm		

Mechanical testing

Test	Units	Method
Tensile Strength 0	Ksi	ASTM D3039/D638
Tensile Modulus 0	Msi	ASTM D3039/D638
Elongation	%	Crosshead Displacement
Tensile Strength 90	Ksi	ASTM D3039/D638
Tensile Modulus 90	Msi	ASTM D3039/D638
Compression Strength	Ksi	ASTM D6641
Compression Modulus	Msi	ASTM D6641

Short Beam Shear	pascal	ASTM D2344	
V-Notched Beam Shear	pascal	ASTM D5379	
IPS Strength 0	Ksi	ASTM D3518	
IPS Modulus 0	Msi	ASTM D3518	
CPT	mils		
Tg	Deg C	ASTM E1640/D7028	
Fiber Volume	% volume		
CTE	ppm/F	ASTM E228	
Void Volume	% Volume	ASTM D2734	OUTSOURCED
Outgassing	%	ASTM E595	OUTSOURCED
Flexure	Pa·m ⁴	ASTM D7264	OUTSOURCED
Water Pick Up	% weight	Water Boil	