



Innovium FLY - Aerospace applications

Semi-solid epoxy resin films									
Product	Process	Viscosity @ 60°C (mPa.s)	GC* (J/m ²)	Recommended cure	T _g °C (°F)	Storage modulus* GPa (kPSI)	Film density (g/sqm)	Film thickness (µm)	Comments
LED 2376	Preimpregnation, RFI	160 000	430	2h @ 130°C (266°F) + 2h @ 200°C (392°F)	160 (320)	50 (7250)	40 - 400	35 - 350	Semi solid resin films are designed for a simple implementation in common production lines to produce prepreg. On-the-shelf formulation are low tack versions. Tack may be adjusted on-demand.
LED 2377	Preimpregnation, RFI	260 000	630		160 (320)	47 (6800)	40 - 400	35 - 350	
LED 2378	Preimpregnation, RFI	350 000	880		160 (320)	44 (6400)	40 - 400	35 - 350	
Hotmelt systems									
Product	Process	Viscosity @ 60°C (mPa.s)	GC* (J/m ²)	Recommended cure	T _g °C (°F)	Storage modulus* GPa (kPSI)	Comments		
XIN 2376	Preimpregnation	160 000	430	2h @ 130°C (266°F) + 2h @ 200°C (392°F)	160 (320)	50 (7250)	On-the-shelf formulation are low tack versions. Tack may be adjusted on-demand.		
XIN 2377	Preimpregnation	260 000	630		160 (320)	47 (6800)			
XIN 2378	Preimpregnation	350 000	880		160 (320)	44 (6400)			

* Values determined on carbon based fibre composite (8 layers) cured in autoclave