



Innovium FLY : Aerospace applications

Semi-solid epoxy resin films									
Product	Process	Viscosity @ 60°C (mPa.s)	GC* (J/m²)	Recommended cure	Tg °F (°C)	Storage modulus* KPSI (GPa)	Film density (g/sqm)	Film thickness (µm)	Comments
LED 2376	Preimpregnation, RFI	160 000	430	2h @ 266°F (130°C) + 2h @ 352°F (200°C)	320 (160)	7250 (50)	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		320 (160)	6800 (47)	40 - 400	35 - 350	
LED 2378	Preimpregnation, RFI	350 000	880		320 (160)	6400 (44)	40 - 400	35 - 350	
Hotmelt systems									
Product	Process	Viscosity @ 60°C (mPa.s)	GC* (J/m²)	Recommended cure	Tg °F (°C)	Storage modulus* KPSI (GPa)	Comments		
AKD 2376	Preimpregnation	160 000	430	2h @ 266°F (130°C) + 2h @ 352°F (200°C)	320 (160)	7250 (50)	On-the-shelf formulation are low tack versions. Tack may be adjusted on-demand.		
AKD 2377	Preimpregnation	260 000	630		320 (160)	6800 (47)			
AKD 2378	Preimpregnation	350 000	880		320 (160)	6400 (44)			

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