

Innovium GO : Sporting goods applications

Low viscosity systems

Product	Process	Viscosity (mPa.s)	Get time [min] @ 25°C (77°F)	Recommended cure	T _g °C (°F)	Flexural modulus MPa (PSI)	Flexural strength MPa (PSI)	Tensile strength MPa (PSI)	Comments
XIN 0421	Wet lay up, infusion, filament winding	500	135 on 500g	24h @ Room temperature + 8 h @ 60°C (140°F)	80 (176)	3100 (450,000)	120 (17,400)	80 (11,600)	Adjustable pot life upon request
XIN 0422	Wet lay up, infusion, filament winding	600	100 on 500g	24h @ Room temperature + 2 h @ 120°C (242°F)	100 (212)	3400 (483,000)	110 (16,000)	58 (8,400)	
XIN 0423	Wet lay up, RTM	1250	70 on 500g	24h @ Room temperature + 3 h @ 120°C (242°F)	130 (266)	3200 (454,000)	110 (16,000)	58 (8,400)	Adjustable pot life upon request, increased damage resistance
XIN 0425	Wet lay up, infusion, filament winding	800	135 on 500g	24h @ Room temperature + 8 h @ 60°C (140°F)	80 (176)	3100 (450,000)	125 (18,100)	80 (11,600)	
XIN 0426	Wet lay up, infusion, filament winding	900	100 on 500g	24h @ Room temperature + 2 h @ 120°C (242°F)	100 (212)	3400 (483,000)	113 (16,400)	60 (8,700)	
XIN 0427	Wet lay up, RTM	1400	70 on 500g	24h @ Room temperature + 3 h @ 120°C (242°F)	130 (266)	3250 (471,300)	113 (16,400)	60 (8,700)	
XIN 2479	Wet lay up, Infusion	480	140 on 100g	3h @ Room temperature + 8h @ 80°C (176°F) *	95 (203)	3450 (500,000)	120 (17,400)	65 (9,400)	25% bio based
EKKO 3005	Wet lay up, infusion	500	30 on 100g	24h @ Room temperature + 3h @ 60°C (140°F)	70 (158)	2500 (363,000)	95 (14,000)	55 (8,000)	
EKKO 3006	Wet lay up, infusion	500	35 on 100g	24h @ Room temperature + 3h @ 60°C (140°F)	60 (140)	1950 (280,000)	NA	40 (5,800)	

Semi-solid epoxy resin film

Product	Process	Viscosity @ 60°C (mPa.s)	Impact resistance	Recommended cure	T _g °C (°F)	Flexural modulus MPa (PSI)	Flexural strength MPa (PSI)	Film density (g/sgm)	Film thickness (µm)	Comments
LED 5529	Preimpregnation, RFI	Coming soon	Coming soon	1h @ 130°C (266°F)	120 (248°F)	Coming soon	Coming soon	40 - 400	35 - 350	Semi solid resin films are designed for a simple implementation in common prepreg production lines. On-the-shelf formulations are low tack versions. Tack may be adjusted on demand. Storage conditions: 6 months at room temperature.
LED 1807	Preimpregnation, RFI	Coming soon	Coming soon		120 (248°F)	Coming soon	Coming soon	40 - 400	35 - 350	
LED 1608	Preimpregnation, RFI	370 000	Coming soon		120 (248°F)	Coming soon	Coming soon	40 - 400	35 - 350	

Hermetic systems

Product	Process	Viscosity @ 60°C (mPa.s)	Impact resistance	Recommended cure	T _g °C (°F)	Flexural modulus MPa (PSI)	Flexural strength MPa (PSI)	Comments
XIN 5529	Preimpregnation, RFI	Coming soon	Coming soon	1h @ 130°C (266°F)	120 (248°F)	Coming soon	Coming soon	Storage conditions: 6 months at room temperature
XIN 1807	Preimpregnation, RFI	Coming soon	Coming soon		120 (248°F)	Coming soon	Coming soon	
XIN 1608	Preimpregnation, RFI	370 000	Coming soon		120 (248°F)	Coming soon	Coming soon	