

Innovium 60 : Sporting goods applications

Low viscosity systems										
Product	Process	Viscosity (mPa.s)	Get time [min] @ 25°C (77°F)	Recommended cure	Tg (°C)	Flexural modulus PSI (MPa)	Flexural strength PSI (MPa)	Tensile strength PSI (MPa)	Comments	
AKD 0421	Wet lay up, infusion, filament winding	500	135 on 500g	24h @ Room temperature + 8 h @ 140°F (60°C)	176 (80)	450.000 (3100)	17.400 (120)	11.600 (80)	Adjustable pot life upon request	
AKD 0422	Wet lay up, infusion, filament winding	600	100 on 500g	24h @ Room temperature + 2 h @ 212°F (100°C)	212 (100)	493.000 (3400)	16.000 (110)	8.400 (58)		
AKD 0423	Wet lay up, RTM	1250	70 on 500g	24h @ Room temperature + 3 h @ 248°F (120°C)	266 (130)	464.000 (3200)	16.000 (110)	8.400 (58)	Adjustable pot life upon request. Increased damage resistance	
AKD 0425	Wet lay up, infusion, filament winding	800	135 on 500g	24h @ Room temperature + 8 h @ 140°F (60°C)	176 (80)	450.000 (3100)	18.100 (125)	11.600 (80)		
AKD 0426	Wet lay up, infusion, filament winding	900	100 on 500g	24h @ Room temperature + 2 h @ 212°F (100°C)	212 (100)	493.000 (3400)	16.400 (113)	8.700 (60)		
AKD 0427	Wet lay up, RTM	1400	70 on 500g	24h @ Room temperature + 3 h @ 248°F (120°C)	266 (130)	471.300 (3250)	16.400 (113)	8.700 (60)		
AKD 2479	Wet lay up, Infusion	460	140 on 100g	2h @ Room temperature + 8h @ 176°F (80°C)	203 (95)	500.000 (3450)	17.400 (120)	9.400 (65)	25% bio based	
EKKO 3005	Wet lay up, infusion	500	30 on 100g	24h @ Room temperature + 3h @ 140°F (60°C)	158 (70)	363.000 (2500)	14.000 (95)	8.000 (55)	40% bio based	
EKKO 3006	Wet lay up, infusion	500	35 on 100g	24h @ Room temperature + 3h @ 140°F (60°C)	140 (60)	280.000 (1950)	NA	5.800 (40)		
Semi-solid epoxy resin film										
Product	Process	Viscosity @ 60°C (mPa.s)	Impact resistance	Recommended cure	Tg (°C)	Flexural modulus PSI (MPa)	Flexural strength PSI (MPa)	Film density (g/sgm)	Film thickness (µm)	Comments
LED 5529	Preimpregnation, RFI	Coming soon	Coming soon	1h @ 266°F (130°C)	248 (120)	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 1607	Preimpregnation, RFI	Coming soon	Coming soon		248 (120)	Coming soon	Coming soon	40 - 400	35 - 350	
LED 1608	Preimpregnation, RFI	370 000	Coming soon		248 (120)	Coming soon	Coming soon	40 - 400	35 - 350	
Hot-melt systems										
Product	Process	Viscosity @ 60°C (mPa.s)	Impact resistance	Recommended cure	Tg (°C)	Flexural modulus PSI (MPa)	Flexural strength PSI (MPa)	Comments		
AKD 5529	Preimpregnation, RFI	Coming soon	Coming soon	1h @ 266°F (130°C)	248 (120)	Coming soon	Coming soon	Storage conditions: 6 months at room temperature		
AKD 1607	Preimpregnation, RFI	Coming soon	Coming soon		248 (120)	Coming soon	Coming soon			
AKD 1608	Preimpregnation, RFI	370 000	Coming soon		248 (120)	Coming soon	Coming soon			