



Innovium WE : Wind energy applications

Low viscosity systems

| Product | Process | Viscosity (mPa.s) | Gel time (min) @ 25°C (77°F) | Recommended cure | T _g (°C) | Flexural modulus PSI (MPa) | Flexural strength PSI (MPa) | Tensile strength PSI (MPa) | Comments |
|----------|----------------------|-------------------|------------------------------|--|---------------------|----------------------------|-----------------------------|----------------------------|---|
| AKD 2070 | Infusion | 360 | 65 | 90 min @ 77°F (25°C) + 90 min @ 158°F (70°C) | 158 (70) | N.A. | N.A. | N.A. | Very low viscosity, Adjustable pot life |
| AKD 2078 | Wet lay up, Infusion | 400 | 140 | 3h @ 77°F (25°C) + 8h @ 176°F (80°C) | 203 (95) | 493,000 (3400) | 17,100 (118) | 9,400 (65) | |
| AKD 2479 | Wet lay up, Infusion | 460 | 140 | | | 500,000 (3450) | 17,400 (120) | 9,400 (65) | Adjustable pot life upon request, Increased damage resistance |

Semi-solid epoxy resin film

| Product | Process | Viscosity @ 60°C (mPa.s) | Impact resistance | Recommended cure | T _g (°C) | Flexural modulus PSI (MPa) | Flexural strength PSI (MPa) | Film density (g/cm ³) | Film thickness (µm) | Comments |
|----------|----------------------|--------------------------|-------------------|--------------------|---------------------|----------------------------|-----------------------------|-----------------------------------|---------------------|--|
| LEO 2529 | 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. |
| LEO 2607 | Preimpregnation, RFI | Coming soon | Coming soon | | | Coming soon | Coming soon | | | |
| LEO 2608 | Preimpregnation, RFI | 370 000 | Coming soon | | | Coming soon | Coming soon | | | |

Hotmelt systems

| Product | Process | Viscosity @ 60°C (mPa.s) | Impact resistance | Recommended cure | T _g (°C) | Flexural modulus PSI (MPa) | Flexural strength PSI (MPa) | Comments |
|----------|-----------------|--------------------------|-------------------|--------------------|---------------------|----------------------------|-----------------------------|--|
| AKD 2529 | Preimpregnation | Coming soon | Coming soon | 1h @ 266°F (130°C) | 248 (120) | Coming soon | Coming soon | Storage conditions: 6 months at room temperature |
| AKD 2607 | Preimpregnation | Coming soon | Coming soon | | | Coming soon | Coming soon | |
| AKD 2608 | Preimpregnation | 370 000 | Coming soon | | | Coming soon | Coming soon | |