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Prepreg (Pre-Impregnated Fabric and Tape)

Prepreg is fiber already impregnated with a mixed, part-cured (B-stage) resin.

Storage life, HexPly 8552

Item	Value
Tack life	10 days at 73 °F (23 °C)
Out life	30 days at 73 °F (23 °C)
Shelf life	12 months at 0 °F (-18 °C), maximum, from manufacture
Resin content, tapes / fabrics	33–38% / 32–42%

Autoclave cure procedure, HexPly 8552

Step	Instruction
1	Full vacuum and 15 psig
2	Heat at 3–5 °F/min to 225 °F
3	Hold at 225 °F for 30–60 min
4	Raise pressure to 85–100 psig; vent vacuum at 30 psig
5	Heat to 350 °F and hold 120 ± 10 min
6	Cool at 2–5 °F/min to 150 °F and vent

Key points

- **One system's numbers.**
- **Log the clock.** Out time is accumulated, not reset by a return to the freezer.

SOURCES · Hexcel HexPly 8552 Product Data Sheet · FAA-H-8083-31B, AMT Handbook — Airframe, Volume 1, Chapter 7

SCAN · OPEN THIS GUIDE
theaviationpoint.com/materials/composites/prepreg/

Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.

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