

PRODUCT SELECTOR GUIDE

Resin System	Cure Temp °F (°C)	T _g DMA (E') °F (°C)	Service Temp °F (°C)	Form	Flame Retardant	Toughened	Markets	Description
117-1 & 117-1G	250-300 (120-150)	255 (125)	200 (93)	Fabric & Tape	•	•	Aerospace, Industrial	Flame retardant high toughness system. Meets: NASA out-gassing, FAR 25.853 Bio-based version available
301	250-300 (120-150)	250 (120)	200 (93)	Fabric & Tape		•	Sporting goods, Aerospace, Industrial, Marine, Medical	Industry standard for over 30 years Toughened system with controlled flow.
301T	250-300 (120-150)	250 (120)	200 (93)	Fabric & Tape		•	Sporting good, Industrial, Marine, Medical	Derived from 301 with optimized semi-transparent aesthetics.
304-1	250-300 (120-150)	250 (120)	200 (93)	Fabric & Tape		•	Sporting goods, Medical, Industrial, Marine	Highly toughened system with good impact resistance.
307	250-300 (120-150)	240 (115)	200 (93)	Fabric & Tape		•	Aerospace, Industrial, Marine	Specifically designed for thick structures with low exotherm.
316	250-300 (120-150)	240 (115)	180 (82)	Fabric & Tape	•	•	Industrial, Electrical & Electronics	Flame retardant system designed for electrical applications. Meets: UL 94 V-0 Class
321	250-300 (120-150)	300 (150)	250 (120)	Fabric & Tape		•	Aerospace, Industrial	High T _g with AGATE B-basis allowable database.
4030 & 4030G	250-300 (120-150)	265 (130)	200 (93)	Fabric & Tape	•	•	Aerospace (Aircraft Interior)	FST system with low heat release properties. Meets: FAR 25.853 Bio-based version available
4035	250-300 (120-150)	300 (150)	250 (120)	Fabric & Tape	•	•	Aerospace (Aircraft Interior)	Snapcurable flame retardant system with low heat release properties. Meets: FAR 25.853
4708	250-300 (121-150)	295 _{dry} 250 _{wet} (145 _{dry} 120 _{wet})	250 (120)	Fabric & Tape		•	Aerospace (UAV, Space), General Aviation, Industrial	An out-of-autoclave (OOA), highly toughened system with an NCAMP & FAA B-basis design allowable database.
4708SC	250-300 (121-150)	295 _{dry} 250 _{wet} (145 _{dry} 120 _{wet})	250 (120)	Fabric & Tape		•	Aerospace (UAV, Space), General Aviation, Industrial	Snapcurable, highly toughened system for high service temperature applications and high throughput manufacturing
5300-1	160-275 (70-135)	265 (130)	200 (93)	Fabric & Tape		•	Industrial, Sporting Goods, Marine, Tooling	Low temperature variable cure system with a long out-time.
6600	350 (175)	410 _{dry} 330 _{wet} (210 _{dry} 165 _{wet})	350 (175)	Fabric & Tape		•	Aerospace, General Aviation	An out-of-autoclave (OOA), highly toughened, high temperature cure system. Meets: DMS 2224 specification (non-QPL)
6600FR-1	350 (175)	410 (210)	350 (175)	Fabric & Tape	•	•	Aerospace, General Aviation	Flame retardant out-of-autoclave (OOA), highly toughened, high temperature cure system
6600FR-2	300 (150)	356 (180)	275 (135)	Fabric & Tape	•	•	Aerospace, General Aviation	Flame retardant out-of-autoclave (OOA), highly toughened, high temperature cure system
106L	175-200 (79-93)	220 (105)	180 (82)	Fabric & Tape	•	•	Aerospace, Industrial	Low temperature cure, flame retardant, self-adhesive prepreg
106/8	250-300 (120-150)	250 (120)	200 (93)	Fabric & Tape	•	•	Aerospace, Industrial	Flame retardant sandwich and self-adhesive prepreg. Meets: FAR 25.853
1101	250-300 (120-150)	230 (110)	200 (93)	Fabric		•	Industrial	General purpose sandwich and laminating adhesive prepreg.
1102	250-300 (120-150)	220 (105)	180 (82)	Fabric		•	Industrial	Long out-time adhesive prepreg.
1106	250-300 (120-150)	220 (105)	180 (82)	Fabric	•	•	Aerospace, Industrial	Flame retardant sandwich and laminating adhesive prepreg. Meets: FAR 25.853

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Adhesive	Cure Temp °F (°C)	T _g DMA (E') °F (°C)	Service Temp °F (°C)	Form *	Flame Retardant	Substrate					Toughened	Markets	Description
						Metals	Carbon	Balsa	Foams	Honey-comb			
101	235-300 (112-150)	240 (115)	200 (93)	U, R		•	•	•	•	•	•	Aerospace, Military	General purpose adhesive. Meets: MMM-A-132, MIL-A-25463
102	250-300 (120-150)	230 (110)	180 (82)	U, R		•	•	•	•			Sports Goods, Industrial, Medical	Long out-time adhesive.
104	235-300 (112-150)	240 (115)	180 (82)	U, R		•	•	•	•	•	•	Aerospace, Marine, Military, Industrial, Sporting Goods	Enhanced long out-time adhesive Meets: MMM-A-132, MIL-A-25463
106 & 106G	235-300 (112-150)	210 (100)	180 (82)	U, R	•	•	•	•	•	•	•	Aerospace Interiors	Flame retardant adhesive. Meets: FAR 25.853, MMM-A-132, MIL-A-25463 Bio-based version available
5300-1A	160-275 (70-135)	265 (130)	200 (93)	U, R		•	•	•	•	•	•	Industrial, Sporting Goods, Marine, Tooling	Low temperature variable cure adhesive with a long out-time. (Co-cures with 5300-1 Prepreg)
Core Splice – Foaming Adhesive													
51/301	250-300 (120-150)	n/a	180 (82)	U		•					•	Core Splice, Edge Inserts	Syntactic expanding core splice adhesive with a 2:1 to 3:1 expansion ratio.

* U= Unsupported, R= Reinforced

Towpreg	Cure Temp °F (°C)	T _g DMA (E') °F (°C)	Service Temp °F (°C)	Flame Retardant	Toughened	Markets	Description
HMT301	250-300 (120-150)	250 (120)	200 (93)		•	Marine, Automotive, Industrial, Sporting Goods, Medical	Toughened towpreg, controlled flow with versatile processing.
HMT316	250-300 (120-150)	285 (140)	200 (93)	•	•	Marine, Automotive, Industrial	Flame retardant towpreg designed for electrical applications. Meets: UL 94 V-0
HMT317	250-300 (120-150)	255 (125)	200 (93)			Medical, Industrial	General purpose towpreg.
HMT321	250-300 (120-150)	300 (150)	250 (121)		•	UAV, General Aviation, Aerospace, Industrial	High T _g towpreg.
HMT321FR	250-300 (120-150)	300 (150)	250 (121)	•	•	UAV, General Aviation, Aerospace, Industrial	High T _g towpreg with flame retardancy.
HMT4030	250-300 (120-150)	275 (135)	200 (93)	•		Aerospace, Automotive	FST towpreg with low heat release properties. Meets: FAR 25.853 App F Part I, IV, V
HMT507	250-300 (120-150)	300 (150)	250 (121)		•	Industrial, Pressure Vessels	High elongation towpreg designed for pressure vessels with long out-time.
HMT701	250-300 (120-150)	250 (120)	200 (93)		•	Aerospace, Marine, Automotive, Industrial, Sporting Goods, Medical	Toughened towpreg, suitable for wet winding processes
HMT6600	350 (175)	390 (200)	350 (176)		•	Aerospace	Highly toughened, high temperature cure towpreg.