

Huntsman Advanced Materials

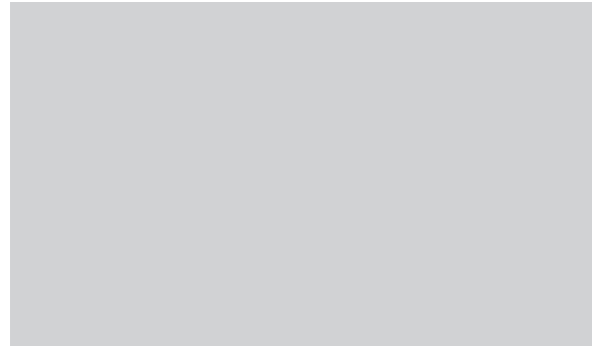
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Ref. No. Laminating systems for aerospace industry 03.19_EN_EU



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Product selection - Europe

Laminating systems for the aerospace industry

Laminating systems

Product	Mix ratio	Mixed viscosity	Gel time	Suggested cure schedule	Nominal service temperature	Laminate compressive strength	Color	Packaging	OEM specifications
Conditions		23°C	23°C			23°C			
Units	pbw	mPa.s	min	°C	°C	MPa		Kits Bulk	
Araldite® 501 A/B	100 : 15	3 500	90 (100 g)	7 days at 23°C or 16h at 45°C or 2h at 70°C	85	500	Blue	●	Airbus ASNA 4047 / Douglas HMS 16-1115 Ty 3
Araldite® LY 5052 / Aradur® 5052	100 : 38	500 - 700	450 (< 10 g)	1 day at 23°C + 15h at 50°C or 1 day at 23°C + 4h at 100°C	120	-	Clear liquid	●	Airbus AIMS 05-04-103 / Airbus AIMS 08-01-001 / Airbus AIMS 08-02-001
Epocast® 52 A/B	100 : 41	5 500	60 (100 g)	3h at 65°C or 2h at 95°C	175	-	Blue	●	Airbus AIMS 08-01-002 / Adam Aircraft S-00-040-36, Ty 1 / Eurocopter ECS 0049 Part 1 / SAE Aero AMS 2980

FST system for interior part manufacturing

Product	Tg	Flexural modulus	Flexural strength	Flexural elongation	Fracture properties K _{1c} G _{1c}	Process	Main features
Norm		ISO 178	ISO 178				
Units	°C	MPa	MPa	%			
Araldite® FST 40002 / 40003	260	3 100	135	5	0.9 MPa.√m 270 J/m ²	RTM, Infusion, Pultrusion (injection box)	FAR 25.853 FST compliant solutions designed for interior applications, Araldite® filler-free composite system suitable for direct liquid processes with fast curing capability (5-10 min / 150°C).
Araldite® FST 40002 / 40006	210	3 400	135	4	0.6 MPa.√m 100 J/m ²	RTM, Infusion, Pultrusion (injection box)	