



SOLUTION L&L Reinforce VERSION August 2020

L-9016 FST Aircraft interior core splice compound.



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Key Product Attributes

- Can be cured from 125°C to 165°C with or without ramp up
- 110% to 200% expansion depending on the curing cycle
- Stable at room temperature for 6 months and does not require frozen storage or shipment
- Has low tack for easy removal of release paper and an easy positioning within the tool
- Compliant to 12s and 60s vertical burn, smoke density and smoke toxicity tests accordingly to FAR/EASA 25.853 and Airbus ABD 0031
- Delivered in 560x300mm sheets, 1.27mm thick, other dimensions on request

Technical Data

		L-9016	Typical Values				Test Method
Physical Properties	Prior to Activation	Weight per unit area	1650 – 1950 g/m ²				
		Thickness	1.2 – 1.4 mm				
		Storage stability at room temperature (shelf-life)	6 months				
		Storage stability at -18°C (shelf-life)	12 months				
			Curing Cycle				
	During Curing	Volatile content	[—] 3°C/min — + 55 min @ 125°C	< 0,5 %			EN 2667-3
		Vertical slump		< 0.5 mm			EN 2667-4
		Exothermicity		< 80°C			EN 2667-5
			Curing Cycle	Expansion Ratio (EN 2667-3)	Shore D Hardness (EN ISO 868)		
	Expansion and Hardness		Ramp 3°C/min + 55 min @ 125°C	110 – 160%	55 – 65		
			30 min @ 100°C + (ramp 3°C/min + 55 min @ 125°C)	100 – 150%	55 – 65		
			15 min @ 165°C Hot in / Hot out	155 – 205%	38 - 48		
			30 min @ 155°C Hot in / Hot out	150 – 200%	38 - 48		
			Curing Cycle	Test Temperature	Sample Density		Test Method
Mechanical Properties	Compressive strength		 3°C/min + 55 min @125°C 	-55°C	– – – 0.54 g/cm³ –	12 MPa	ISO 604
				+23°C		7 MPa	
				+85°C		5 MPa	
	Compressive modulus			-55°C		450 MPa	
				+23°C		380 MPa	
				+85°C		260 MPa	
	Compressive tube shear strength			-55°C	– 0.80 g/cm³	10 MPa	EN 2667-2
				+23°C		7 MPa	
				+85°C		6 MPa	

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		Curing Cycle	Property	Specification		Test Method
		3°C/min + 55 min @125°C	Burn length	Maximum 200 mm	< 80 mm	— AITM 2-0002 B
FST Properties	Vertical burn		After flame time	Maximum 15 s	0 s	
	– 12 s – 6.35 mm sample thickness		After flame time of drips	Maximum 5 s	No drips	
	Vertical burn		Burn length	Maximum 150 mm	< 140 mm	AITM 2-0002 A
			After flame time	Maximum 15 s	6 s	
	– 60 s – 6.35 mm sample thickness		After flame time of drips	Maximum 3 s	No drips	
	Smoke density – 6.35 mm sample thickness		Smoke density	Maximum 200	140	AITM 2-0007 A
		Curing cycle	Gas	Specification		Test Method
		3°C/min + 55 min @125°C	CO	< 1000 ppm	300 ppm	— AITM 3-0005 —
	Smoke toxicity – 6.35 sample thickness		HF	< 100 ppm	0 ppm	
			HCI	< 150 ppm	0 ppm	
			NOx	< 100 ppm	55 ppm	
			SO ₂	< 100 ppm	5 ppm	
			HCN	< 150 ppm	20 ppm	

Typical Cure Schedule

165°C for 15 minutes total time.

Shelf Life & Storage Conditions

Shelf Life: 6 months at room temperature, 12 months at -18°C in the original sealed bags.

Health & Safety

Consult product specific Safety Data Sheet. All our products are REACH compliant and do not contain CMR substances.

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