

Copy of Glue Table

[illegible]

Stycast	2850FT	64k (for Catalyst 9) and 23k (for catalyst LV)	1.25 for Catalyst 9 1.02 for 23 LV		lhcb tested up to 10 N				tested up to fluence of 6 to 8×10 ¹⁵ (15) MeVneq/cm2	https://lartpc-docdb.fnal.gov/0000/000059/001/stycas2850.pdf	Adhesive tested by LHCb	
Huntsman	Araldite 2011	30-45k cp	0.22 W/m*K @23C	7-10 hrs room temp	Avg lap shear strength: 1) 17-25 MPa (metal-metal) 2) 10-20 (plastic-plastic)				tested up to fluence of 6 to 8×10 ¹⁵ (15) MeVneq/cm2		Adhesive tested by LHCb	
Huntsman	Araldite 2020	150 cp		16 hrs @23C, 3 hrs @ 40C	Avg lap shear strength: 1) 13-25 MPa (metal-metal) 2) 2-7 (plastic-plastic)							
3M (goes to space with NASA)	Scotch-Weld Epoxy Adhesive (2216)	80000	0.0326 W/mK	90 min @ 24 C	Overlap Shear: 464 E 3 psi @ 24 C 3200 N/mm ²					Glue (epoxy)		
3M	VHB Tape 5909	-		Temperature Resistance: Short Term: 121 C Long Term : 82 C	Peel Adhesion: N/100mm			720 kg/m3		Tape	3M VHB Tape 5909	
3M	High Temperature Acrylic Adhesive 100 (9461P)				Peel Adhesion: LHC-b tested up to 10N				tested up to fluence of 6 to 8×10 ¹⁵ (15) MeVneq/cm2	Epoxy	3M 9461P	
AMEC Thermasol	MPC 25 Thermal Insulator, Phase Change Material		4 W/mK	Temperature Resistance: 4						Wax	AMEC Thermasol MPC25 Datasheet	
AMEC Thermasol	MPC 801			Temperature Resistance: 8.0						Wax		
AMEC Thermasol	MPC 315			Temperature Resistance: 5.0						Elastomer		