

**Laminate Compression After Impact Properties (CAI) -- (RTD)
Strength
ACG MTM45-1 - AS4 UNI**

normalizing t_{ply}
[in]
0.005500

ACG Specimen Name	ACG Batch #	ACG Cure Cycle	Prepreg Lot #	Cure Cycle #	Measured Impact Energy (in-lbf)	Strength [ksi]	Avg. Specimen Thickn. [in]	# Plies in Laminate	Failure Mode
ASU1-CAI1-B-LH1-RTD-1	B	LH1	1	1	254.950	29.183	0.171	32	LDM
ASU1-CAI1-B-LH1-RTD-2	B	LH1	1	1	255.130	25.561	0.171	32	LDM
ASU1-CAI1-B-LH1-RTD-3	B	LH1	1	1	254.130	25.866	0.171	32	LDM
ASU1-CAI1-B-LH1-RTD-4	B	LH1	1	1	254.870	29.488	0.170	32	LDM

Avg. t_{ply} [in]	Strength _{norm} [ksi]
0.0054	28.404
0.0054	24.878
0.0053	25.116
0.0053	28.483

Average 27.524
Standard Dev. 2.099
Coeff. of Var. [%] 7.625
Min. 25.561
Max. 29.488
Number of Spec. 4

Average_{norm} 0.0053 26.720
Standard Dev_{norm} 1.992
Coeff. of Var. [%]_{norm} 7.456
Min. 0.0053 24.878
Max. 0.0054 28.483
Number of Spec. 4