

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-C-M1-RTD-1	C	M1	1	1	259.410	25.208	0.172	32	LDM
ASU1-CAI1-C-M1-RTD-2	C	M1	1	1	259.380	27.151	0.176	32	LDM
ASU1-CAI1-C-M1-RTD-3	C	M1	1	1	260.370	26.659	0.173	32	LDM
ASU1-CAI1-C-M1-RTD-4	C	M1	1	1	260.650	30.218	0.172	32	LDM
ASU1-CAI1-C-M1-RTD-5	C	M1	1	1	260.320	25.244	0.173	32	LDM

Avg. t_{ply} [in]	Strength _{norm} [ksi]
0.0054	24.607
0.0055	27.182
0.0054	26.266
0.0054	29.600
0.0054	24.742

Average 26.896
 Standard Dev. 2.046
 Coeff. of Var. [%] 7.605
 Min. 25.208
 Max. 30.218
 Number of Spec. 5

Average_{norm} 0.0054 26.479
 Standard Dev_{norm} 2.050
 Coeff. of Var. [%]_{norm} 7.741
 Min. 0.0054 24.607
 Max. 0.0055 29.600
 Number of Spec. 5