



Technical Bulletin – Military Packaging Application Guideline
 American Converters Inc. foam equivalents per MIL STD CID A-A-59136

A-A-59136 / PPP-C-1752D		DETAILS	Amcon Equivalent	
Class	1	POLYETHYLENE	SEE BELOW	
	2	POLYPROPYLENE	SEE BELOW	
	3	Skived, General Purpose		
	4	Sheets or Shapes, Special Purpose		
Grade	A	Standard		
	B	Anti-Static	ASPE SERIES	
	C	Fire Retardant		
	D	Anti-Static & Fire Retardant	FRAS	
Type	I	EPE	1.3 to 1.7 pcf	POLYFLEX15, ARFLEX2000
		EPP	1.3 to 1.5 pcf	PROFLEX13
		XLPE	2.0 pcf	XL2000
		PE	1.7 and 2.2 pcf	AWL170, AW200
	III	EPE	1.9 to 2.5 pcf	POLYFLEX19, POLYFLEX24
		EPP	1.5 to 1.7 pcf	PROFLEX15
		XLPE	4.0 pcf	XL4000
		PE	4.0 pcf	AW400
	IV	EPE	2.8 to 3.7 pcf	POLYFLEX28, POLYFLEX37
		EPP	1.9 to 2.8 pcf	PROFLEX28, PROFLEX37
		PE	6.0 pcf	AW600
	V	EPE	4.2 to 4.6 pcf	POLYFLEX42
EPP		3.3 to 3.7 pcf	PROFLEX37	
PE		9.0 pcf	AW900	

Note: 1.0 pcf = 16 g/l (pcf = pounds per cubic foot; g/l = grams per liter), Units of Density
 Military CID A-A-59136; Cushioning Material, Packaging, Closed Cell Foam Plank
 Densities (noted in pcf) in Type section shown from MIN to MAX recommended range
 i.e.: Class 1, Grade A, Type III requires EPE at a MIN density of 1.9 pcf to meet performance requirement.

