

Product Specification Page

MIL-PRF-87260B, Grade 1

Fuel Tank Explosion Suppression: Yes

Slosh Attenuation (Baffling): Yes

Conductive: Yes



Notes:

Not recommended for any fuel containing alcohol, methanol and/or ethanol.

Property	Grade I	
	Specification	G-15M
Color	Not blue, red, orange or yellow	Charcoal
Density range (lbs/ft ³)	1.20 - 1.50	1.20 - 1.40
Maximum Average Density (lbs/ft ³)	Not specified	1.35
Porosity (pores per inch)	7.5 - 21.0	15
Air pressure drop (inches of water)	0.150 - 0.250	0.21
Tensile strength (psi)	10.0 min	16.3
Ultimate elongation (percent)	100.0 min	180
Tear resistance (pounds per inch)	3.0 min	4.1
Constant deflection compression set (%)	45.0 max	29
Compression load deflection at 25% (psi)	0.35 min	0.48
Compression load deflection at 65% deflection (psi)	.60 min	0.91
Fuel displacement (volume-%)	2.50 max	0.67
Fluid retention (volume-percent)	2.50 max	2.12
Flammability (inches/minute)	15.0 max	12.9
Extractable materials (weight-%)	3.0 max	2.9
Volume increase after fluid age (volume-percent)		
Type I fluid	0 - 15.0	9.9
Type III fluid	0 - 40.0	20.1
JP-8 turbine fuel	0 - 25.0	16.8
Low Temperature Flexibility		
Entrained solid contamination (mg/ft ³)	11.0 max	10.1
Steam autoclave exposure (percent tensile loss)	30.0 max	17.8
Electrical resistivity (ohm-cm) at 72 degrees F	1.0 x 10 ⁷ to 5.0 x 10 ¹¹	1.1 x 10 ¹¹
Electrical resistivity uniformity at 72 degrees F	2 orders of magnitude from top to bottom	<1 order of magnitude from top to bottom
Effective static dissipation temperature range (degrees F)		
Class 1	+10 to +160	+0 to +160
Class 2	-25 to +160	-25 to +160

