

# Product Specification Page

## MIL-PRF-87260B, Grade 2

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 II	
	Specification	G-30M
Color	Not blue, red, orange or yellow	Charcoal
Density range (lbs/ft <sup>3</sup> )	1.20 - 1.50	1.20 - 1.40
Maximum Average Density (lbs/ft <sup>3</sup> )	Not specified	1.35
Porosity (pores per inch)	21.5 - 33.0	27
Air pressure drop (inches of water)	0.260 - 0.360	0.32
Tensile strength (psi)	15.0 min	18.4
Ultimate elongation (percent)	100.0 min	207
Tear resistance (pounds per inch)	3.0 min	5
Constant deflection compression set (%)	45.0 max	27
Compression load deflection at 25% (psi)	0.35 min	0.5
Compression load deflection at 65% deflection (psi)	.60 min	0.86
Fuel displacement (volume-%)	2.50 max	0.56
Fluid retention (volume-percent)	5.00 max	4.51
Flammability (inches/minute)	15.0 max	13.7
Extractable materials (weight-%)	3.0 max	2.6
Volume increase after fluid age (volume-percent)		
Type I fluid	0 - 15.0	7.5
Type III fluid	0 - 40.0	31.5
JP-8 turbine fuel	0 - 25.0	17.9
Low Temperature Flexibility		
Entrained solid contamination (mg/ft <sup>3</sup> )	11.0 max	9.6
Steam autoclave exposure (percent tensile loss)	30.0 max	17.6
Electrical resistivity (ohm-cm) at 72 degrees F	1.0 x 10 <sup>7</sup> to 5.0 x 10 <sup>11</sup>	1.1 x 10 <sup>11</sup>
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

