



## ***Propellant Data***

**Part Number:** 8324M

**Propellant Type:** Metalstorm™

**Visual Effect:** Bright white flame & sparks, dense white smoke

**% Solids:** 83

**Density:** 0.06573 lb/in<sup>3</sup>

**I<sub>sp</sub> at 1000/14.7 PSI:** 225.9 seconds

**Burn Rate Exponent:** 0.45 (approx.)

**Burn Rate Coefficient:** 0.012 (approx.)

### **Thermodynamic Properties at 1000/14.7 PSI:**

ENTHALPY = -27.04784      DENSITY = 1.828  
CSTAR = 4427.01

	CHAMBER	THR(SHIFT)	EXH(SHIFT)
PRESSURE (PSIA)	1000.000	584.488	14.700
EPSILON	.000	1.000	9.758
ISP	.000	88.796	225.929
ISP (VACUUM)	.000	169.221	245.667
TEMPERATURE(K)	2558.168	2433.846	1585.919
MOLECULAR WEIGHT	29.153	29.465	30.748
MOLES GAS/100G	3.430	3.394	3.252
CF	.000	.645	1.642
PEAE/M (SECONDS)	.000	80.425	19.738
GAMMA	1.210	1.209	1.215
HEAT CAP (CAL)	39.264	39.074	36.459
ENTROPY (CAL)	196.289	196.289	196.288
ENTHALPY (KCAL)	-27.048	-36.106	-85.686
DENSITY (G/CC)	9.45021E-03	5.86780E-03	2.36340E-04
ITERATIONS	28	3	16

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