RDX

(Cyclonite Hexogen)

RDX TYPE I – Nitric Acid Process
RDX TYPE II - Acetic Anhydride Process

Requirements per Military Specification, RDX, MIL-R-398C

1. Melting point Type I – 200^{o} C, min.
2. Melting point Type II -190^{o} C, min.
3. Total acetone insoluble material – 0.05%, max.
4. Inorganic insoluble material – 0.03%, max.
5. Insoluble particles – retained on a U.S. Standard No. 60 sieve, 5 max.
6. Acidity, as nitric acid – 0.05% max.
7. Acidity, as acetic acid – 0.02%, max.
8. Particle size distribution:

RDX – Particle Size

Through U.S. Standard Sieve Number	Class 1 %	Class 2 %	Class3 %	Class 4 %	Class 5 %	Class 6 %	Class 7 %	Class 8 %
8	-	-	-	100	-	-	-	-
12	-	-	99 min	-	-	-	-	-
20	100-96	-	-	-	-	-	-	-
35	-	100-98	-	40 max	-	-	-	100
50	100-80	100-90	50-30	-	-	-	100-96	98 min
60	-	-	-	-	-	100-96	-	-
80	-	-	-	-	-	100-91	-	-
100	90-30	80-50	30-10	-	-	-	98-82	90 min
120	-	-	-	-	-	93-67	-	-
170	-	-	-	-	-	80-43	-	-
200	45-5	46-20	20 max	-	-	-	61-31	80-55
230	-	-	-	-	-	50-22	-	-
325	-	-	-	-	97 min	36-8	-	60-40