

ORBITALA

who dases wing

PRODUCT: CL-20

Chemical name: CL-20 (hexanitrazaisowurzitane)

Chemical formula: C₆H₆N₁₂O_{12(S)}

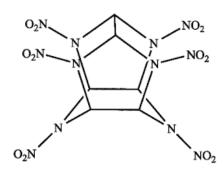
Particle sizes: According to MIL specs

Coarse: 150 μm

Medium: 20/50 μm

Fine: 5 μm

Purity: > 95%



CHARACTERISTIC:

Melting point: 247 °C Density: 2.02 – 2.04

Heat of formation: 372 kJ/mole

Auto-ignition temperature: 220 °C

Vacuum stability: < 1 cm3/g

Acidity: < 0.2 meq/100g

Detonation velocity: 10 000 m/s **Friction sensitivity (ISF):** 80 N

Impact sensitivity (ISI): 2 J



USES:

According to its high heat of formation and density, CL-20's performance is approximately 20% higher than standard explosives. The high burning rate is useful for high impulse energetic material for rocket motor applications like boosters. CL-20 is used as filler in rocket propellants, high explosives and high energetic aluminized and minimum smoke composite propellant manufacturing.

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