



HMX

High Melting Explosive

HMX is a white, opaque crystalline powder, free of visible impurities and moisture. HMX is used to produce detonating cords and shock tubes that remain thermally stable up to ~300 °C. It is also blended with other explosives and with plasticizers/phlegmatizers to make compositions such as FO-4.5, FP-3.5, OWC, Octol, and LX-14 for warhead main charges, ammunition, boosters, pyrotechnic devices, and oil-well charges. When combined with polymer binders, HMX forms PBX materials suitable for insensitive-munitions applications.

PERFORMANCE SPECS

Velocity of Detonation	9100 m/s
Density	1,908 kg/m ³
Detonation Pressure	39 GPa
Heat of Explosion	6,192 KJ/kg
Oxygen Balance	-21.5%
Sensitivity	7.4 J
Friction Sensitivity	120 N
Water Resistance	Pass

PACKAGING INFO

25 ± 0.2 kg per cardboard box
380 x 375 x 335 mm

Composition (By Weight)

HMX	98%
RDX	2%

HAZARD CLASSIFICATION

UN Number	0226
Hazard Class	1.1D
Compatibility Group:	D



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