

PLASTIC EXPLOSIVE

PLASTIC EXPLOSIVE—PEN0

PEN0, a mouldable plastic explosive, is used for engineering applications. It has a high detonation velocity and qualifies well for blasting that requires good cutting and permeability. PEN0 can be used also in underwater explosions.

PEN0 is mouldable PETN based explosive in temperature range of -30°C - +40°C. Components in PEN0 are 85% PETN and 15% binder. A DMNB detectant is added to PEN0 to ease the identification of plastic explosive according to international ICAO recommendations.

PEN0		
Physical properties	Colour	light yellow mass
	Consistency	mouldable
	Density	1,54 kg / dm ³
Performance	Detonation velocity	7 500 – 8 000 m/s
	Detonation energy	5,0 MJ / kg (Cheetah 2.0)
Storage and transport	Transport class	1,1D
	UN-number	0411
	Storage time	Over 10 years. If stored in over +30°C, the detectant might separate from the explosive

PEN0 can be manufactured either as plates or cartridges depending to the customer needs. PEN0 can be delivered to the customer in two different wooden package sizes or in cardboard boxes.

PEN0	Wrapping	Packaging (weight)	Package dimensions
Cartridge (200g)	MG-coated paper	Wooden (20±1kg)	240*500*201mm
Cartidge (200g)	MG-coated paper	Cardboard (20±1kg)	240*500*201mm
Plate (1 000 g) 220*152*26mm	Cardboard coating	Wooden (20±1kg)	240*500*201mm



PEN0 is a plastic explosive for demanding military engineering tasks.



PEN0 can also manufactured as cartridges. For smaller uses its 200g weight is very useful.