TECHNICAL INFORMATION

NSP 711

Description

NSP 711 is a plastic explosive based on 86 % PETN and 14 % plasticizer. The product corresponds to PE4. In accordance with the Convention on the Marking of Plastic Explosives for the Purposes of Detection, done at Montreal on 1 March 1991, the items detailed herein are marked with a detection marker (DMNB) at a level of 1 % minimum at the point of manufacture. The consistency is fairly soft and workable.

Technical Properties

Product	*NSP 711*
Density (g/cm^3) (1)	1.45
Colour	Yellow
Hole Type	Wet and dry
Typical VOD (m/s) (2)	7500
Explosion Heat (MJ/kg)	5.0
Oxygen Balance (%)	-60
Weight Strength (%)	117
Gas Volume (l/kg)	700

Application

NSP 711 can be used for blasting of iron, for underwater water blasting, for mini-blasting, for improvised shaped charges, for demining, IEED and EOD.

Recommendations for Use

- Minimum operating temperature -15 ° C for up to 24 hours.

Priming and Initiation

An electric, an *Exel*™, an electronic detonator or a detonating cord with minimum content 10 g/m can reliably initiate *NSP 711.*

Packaging

NSP 711 is packaged in cardboard boxes 590x370x125 mm.

Diameter (mm)	Nominal Length (mm)	Nominal Weight (g)	Cartridge per box	Box content (kg)
27	165	125	16	20

Storage and Handling

Product Classification

Authorised Name: *NSP 711*
Proper Shipping Name: Explosive, Blasting Type D
UN No.: 0084
Classification: 1.1D
EC Type Certificate: 0080.EXP.17.0011

All regulations pertaining to the handling and use of such explosives apply.

Storage

Store *NSP 711* in a suitably licensed magazine for Class 1.1D explosives.
NSP 711 has a storage life of up to 5 years in an approved magazine.
NSP 711 is best stored at temperatures between -20 °C and +50 °C.

Disposal

Disposal of explosives materials can be hazardous. Methods for safe disposal of explosives may vary depending on the user's situation. Please contact a DEXPLOC representative for information on safe practices.

Safety

NSP 711 can be initiated by extremes of shock, friction or mechanical impact. As with all explosives, *NSP 711* should be handled and stored with care and must be kept clear of flame and excessive heat.

Training

This Technical Data Sheet is for information only. *NSP 711* must only be used by personnel who have been properly trained to use this product.

DEXPLOC A/S
Smedeland 7 | DK-2600 Glostrup | Denmark
info@dexploc.com | www.dexploc.com | Telefon +45 43 45 15 38

Disclaimer

Notes

1. Nominal Density Only.
2. VOD will depend on application including explosive density blasthole diameter and degree of confinement. The VOD range is based on minimum unconfined and calculated ideal.

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