TECHNICAL INFORMATION

Kemix A

Description

Kemix A Pipe Charges are environmentally friendly emulsion explosive, to which aluminum is added, as it increases the temperature of the explosion.
Five different sizes of Kemix A Pipe Charges are produced for different purposes. The pipe charges are easy and quick to connect to each other, as the end of the pipe is expanded. When the pipe charges are tightly connected to each other, the transmission of the detonation is secured and the tenacity of the joint is high.

Application

Kemix A Pipe Charges are suitable for all types of quarrying of rock, where the amount of explosive in the borehole must be precise. They are highly suitable for smooth wall blasting and precision blasting in both open-cut mining and tunneling.

Recommendations for Use

Kemix A Pipe Charges have a high resistance to water and freezing. The maximum operating depth of Kemix A Pipe Charges is 80 m.

Priming and Initiation

For initiation detonating cords of at least 10 g/m must be used. Note that it is important to ensure that the detonating cord has good contact with each individual tube in the charge.

Ground Temperature

These products are available for use in ground temperatures -25 °C to a maximum of 40 °C. If your application requires you to operate outside this temperature range please contact your local Orica Account Manager.

Technical Properties

Product	**Kemix A Pipe Charge**
Density (g/cm^3) (1)	1.12 (Ø17 = 1.05)
Hole Type	Wet and dry
Water resistance (2)	Very good
Water resistance, pressure-time (2)	20 m (2 bar) / 24 h
Typical VOD (m/s) (3)	Ø17 > 4200 Ø22 > 4400 Ø25 > 4600 Ø29 > 4800 Ø32 > 5000 Ø39 > 5000
Explosion Heat (MJ/kg)	3.8 (Ø17 = 3.2)
Impact sensitivity (J) (4)	≥50
Friction sensitivity (N)	≥360
Oxygen Balance (%)	-2.7
Relative Effective Energy (REE) (5)	
Weight Strength (%)	88
Gas Volume (l/kg)	920 (Ø17 = 950)

Packaging

Kemix A Pipe Charges are packed in a plugged plastic tube.

Dimension (mm)		Net weight (kg)			Gross weight (kg)		Qty tubes box	Qty box pal
Diameter	Length	Tube	Box	Pal	Box	Pal		
17	1000	0.22	24.9	596.6	30	730	113	24
22		0.42	24.8	594.7	29	703	59	
25		0.55	24.8	594.0	28	689	45	
29		0.74	24.4	586.1	27	668	33	
32		0.90	24.3	583.2	27	673	27	
39		1.29	24.5	588.2	28	676	19	

All products are not kept in stock, please contact for further information.

Storage and Handling

Product Classification

Authorized Name:	Kemix A Pipe Charge
Proper Shipping Name:	Explosive, Blasting Type E
UN No.:	0241
Classification:	1.1D
EC Type Certificate:	PvTT 005/99

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

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

Storage

Store Kemix A in a suitably licensed magazine for Class 1.1D explosives.
Kemix A has a storage life of up to 1 year in an approved magazine.
Kemix A 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 local Orica representative for information on safe practices.

Safety

Kemix A can be initiated by extremes of shock, friction or mechanical impact. As with all explosives, Kemix A 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. Kemix A must only be used by personnel who have been properly trained to use this product.

Disclaimer

 All information contained in this document is provided for informational purposes only and is subject to change without notice. Since DEXPLOC A/S cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, DEXPLOC A/S specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. DEXPLOC A/S specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.
The word DEXPLOC with associated logo are trademarks of DEXPLOC A/S.

Notes

1. Nominal Density Only.
2. Will vary with product diameter and packaging material.
3. VOD will depend on application including explosive density blasthole diameter and degree of confinement.
4. The values relate to the explosive without packaging. The outer packaging provides increased security from impact and friction.
5. REE is the Effective Energy relative to Dynamite as the base (100 %). Theoretically the weight strength can vary with small margins, depending on the calculation methods used by different manufacturers.

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