

PACKAGE				TECHNICAL PROPERTIES									TRANSPORT					
Product	Ø x length (mm)	Mass (g net)	Package (pcs/box)	Package (kg net)	Charge (kg/m ³) ¹⁾	Density (kg/dm ³)	Velocity of detonation VOD (m/s) ²⁾	Detonation energy (MJ/kg) ³⁾	Gas volume (l/kg) ³⁾	Transmittance (cm)	Resistance to hydrostatic pressure (MPa)	Crack zone (m) ⁴⁾	Relative Weight Strenght RWS % ⁵⁾	Relative Bulk Strenght RBS % ⁵⁾	Shelf life (in borehole)	ADR class	UN number	
Kemiitti	Kemiitti 510 *	bulk			5-6 (76mm)	0.85-1.25	4200-5500	3.1	1113	0	-	5.2	84-108	89-168	3 months			
	Kemiitti 610 **	bulk			5-6 (76mm)	0.85-1.25	4200-5500	3.2	1105				93-115	99-180				
	Kemiitti 810 OP	bulk			5-6 (76mm)	0.75-1.25	4200-5800	2.9	1123				80-102	75-159				
	Kemiitti 810 UG	bulk/IBC			4.54 (76mm)	0.75-1.25	3000-5000 ***	2.9	1123				80-102	75-159				
	Offshore Kemiitti	IBC			5.90 (76mm)	1.26-1.33	5500-6500	4.4	929				0	0.50				-
Fordyn	25x380	250	100	25	0.66	1.45-1.55	2300	4.4	961	2-10	0.25	1.5	158	295	2 years	1.1D	0 0 8 1	
	29x380	350	71		0.92		3750					1.8						
	35x380	500	50		1.32		5750					2.4						
	36x560	800	31		1.43		5800					2.5						
	40x560	1000	25		1.79		5800					2.7						
	43x560	1100	22		1.96		5800					3.1						
	50x560	1600	16		2.86		6100					3.7						
	55x560	1900	13		3.39		6100					4.2						
	60x560	2100	12		3.75		6100					4.6						
	65x560	2500	10		4.46		6100					5.1						
	75x500	3100	8		6.20		6100					5.8						
	85x500	4200	6		8.40		6100					6.9						
Fordyn P	43x560	1100	22	25	1.96	1.45-1.55	6800	5.1	900	> 2	0.40	-	181	340	2 years	1.1D	0 0 8 1	
	55x560	1900	13		3.39		6800					-						
F-pipecharge	F-17x500	100	150	15	0.20	1.00-1.15	2200-2700	2.0	413	5-10	-	0.30	88	122	2 years	1.1D	0 0 8 1	
		F-22x500	190	100	18													0.38
K-pipecharge	K-17x500	100	150	15	0.20	0.95-1.05	1800-2100	0.8	220	2-5	-	0.1	35	44	2 years	1.1D	0 0 8 1	
Forprime 25	15x150	25	500	12.5	-	1.47	7000	4.0	726	-	0.30	-	133	246	3 years	1.1D	0 0 4 2	
Kemix A MP	32x530	530	47	25	1.00	1.15-1.20	4600 - 5600	3.7	1003	>4	0.80	2	119	179	1 vuosi	1.1D	0 2 4 1	
	36x530	670	37		1.26							4						1.8
	40x530	830	30		1.57							4						2.2
	50x530	1250	20		2.36							>4						2.5
	55x530	1560	16		2.94							>4						3.3
	60x530	1800	14		3.40							>4						3.7
	70x530	2500	10		4.72							>4						4.1
Kemix A	50x530	1250	20	25	2.36	1.15-1.20	4600- 5600	3.7	1040	>4	0.25	3.3	119	179	1 year	1.1D	0 2 4 1	
	55x530	1560	16		2.94							3.7						
	60x530	1800	14		3.40							4.1						
	70x530	2500	10		4.72							5.0						
Kemix-pipecharge	17x1000	220	113	24.9	0.22	0.98-1.08	4500	3.2	1036	1	0.80	0.4	93	116	1 year	1.1D	0 2 4 1	
Kemix A -pipecharge	22x1000	420	59	24.8	0.42	1.10-1.15	4400	3.8	992	2	0.80	0.8	119	172	1 year	1.1D	0 2 4 1	
	25x1000	550	45	24.8	0.55		4600					2						1.0
	29x1000	740	33	24.4	0.74		4800					2						1.3
	32x1000	900	27	24.3	0.90		5000					4						1.5
	39x1000	1290	19	24.5	1.29		5200					4						1.8
	51x1000	2300	9	20.7	2.30		5200					6						2.4
Anfo	Anfo			20	3.99 (76mm)	0.88	3000 - 3500	4.0	1052	0	-	4.6	115	127	6 months	1.1D	0 0 8 2	
	Anfo 800			25	3.63 (76mm)	0.80		3.9	1052			4.3	100	100				
	Ahti-Anfo			20	4.08 (76mm)	0.90		3.8	995			4.6	101	113				
	Pito-Anfo			20	3.49 (76mm)	0.77		3.5	1103			4.6	91	88				
F-cord	200 m	2000	5	10	0.01	-	7000	2.0	781	-	-	-	-	-	5 years	1.1D	0 0 6 5	
PENO C	100x60x30	250	24	6	-	1.52-1.56	7500 - 8000	4.8	787	-	0.50	-	172	333	2 years	1.1D	0 0 8 4	
	100x60x60	250	70	17.5	-													

1) The effect of the conditions must be taken into account in the charge calculation.

2) Varies by cartridge/hole size.

3) Explo5 -software, theoretical (NTP)

4) Values calculated with Blastec software. Practical crack zone may vary depending on conditions.

5) RWS and RBS values are the Effective Energy relative to ANFO at a density of 0.8 g/cm³.

ANFO has an effective energy of 2.3 MJ/kg at a cutting pressure of 100 MPa.

Testing is recommended to reliably assess the effectiveness of the explosive on site.

* 20% AN prill

**25% AN prill

*** K810 streaks might have lower VOD.

Detonation values calculated with Explo5 software.