

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	ADR class	UN number	
Kemiitti	Kemiitti 510 *	bulk			5-6 (76mm)	0.85-1.25	4200-5500	3.1	1113				84-108	89-168	3 months (in borehole)			
	Kemiitti 610 **	bulk			5-6 (76mm)	0.85-1.25	4200-5500	3.2	1105	0	-	5.2	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	-	137-142	216-235				1 year
Fordyn	25x380	250	100				0.66		2300			2		1.5	2 years	1.1D	0 0 8 1	
	29x380	350	71				0.92		3750			2		1.8				
	35x380	500	50				1.32		5750			>2		2.4				
	36x560	800	31				1.43		5800			>2		2.5				
	40x560	1000	25				1.79		5800			>4		2.7				
	43x560	1100	22				1.96		5800			>4		3.1				
	50x560	1600	16	25		1.45-1.55	6100	4.4	961		0.25	>4	158	295				
	55x560	1900	13				3.39		6100			>4		4.2				
	60x560	2100	12				3.75		6100			>4		4.6				
	65x560	2500	10				4.46		6100			>4		5.1				
	75x500	3100	8				6.20		6100			>4		5.8				
85x500	4200	6				8.40		6100			>4		6.9					
Fordyn P	43x560	1100	22	25		1.45-1.55	6600	5.1	900	> 2	0.40	-	181	340	2 years	1.1D	0 0 8 1	
	55x560	1900	13				3.39		6600									
F-pipecharge	F-17x500	100	150	15		0.20	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	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	6800	4.0	726	-	0.30	133	246	3 years	1.1D	0 0 4 2	
Kemix A MP	32x530	530	47				1.00					2		1.8	1 year	1.1D	0 2 4 1	
	36x530	670	37				1.26					4		2.2				
	40x530	830	30	25		1.15-1.20	4600 - 5600	3.7	1003		0.80	>4	119	179				
	50x530	1250	20									>4		3.3				
	55x530	1560	16									>4		3.7				
	60x530	1800	14									>4		4.1				
	70x530	2500	10									>4		5.0				
Kemix A	50x530	1250	20				2.36						3.3	1 year	1.1D	0 2 4 1		
	55x530	1560	16	25		1.15-1.20	4600 - 5600	3.7	1040	>4	0.25	>4	119				179	
	60x530	1800	14									>4					4.1	
	70x530	2500	10									>4					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					2		0.8	1 year	1.1D	0 2 4 1	
	25x1000	550	45	24.8			0.55					2		1.0				
	29x1000	740	33	24.4		1.10-1.15	4800	3.8	992		0.80	2		1.3				
	32x1000	900	27	24.3			5000					4		1.5				
	39x1000	1290	19	24.5			5200					4		1.8				
	51x1000	2300	9	20.7			5200					6		2.4				
Anfot	Anfo				20	3.99 (76mm)	0.88		4.0	1052			4.6	115	127	6 months	1.1D	0 0 8 2
	Anfo 800				25	3.63 (76mm)	0.80	3000 - 3500	3.9	1052	0	-	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	-	6800	2.0	781	-	-	-	-	5 years	1.1D	0 0 6 5	
PENO C	100x60x30	250	24	6			-	7500 - 8000	4.8	787	-	-	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.