



TENAGA KIMIA SENDIRIAN BERHAD (26191 A)

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Factory

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TECHNICAL DATA SHEET

PRODUCT: EMULSION HIGH EXPLOSIVE (CARTRIDGED)
BRAND: EMULEX®
SERIES: EMULEX® 180
SIZE (mm): 25, 32, 35, 50, 55, 60, 65

Product Specification

Grade / Series	Density (g/cc)	Detonation Velocity (m/s)*	Explosion Energy (MJ/kg)**	Bulk Strength (% Rel ANFO)	Water Resistance	Cap Sensitive	Fume Class
Emulex® 180	1.10 – 1.25	4,500 – 5,700	4.17	146	Excellent	No.8 / Cord	1

* VOD of product is dependent on product properties and diameter design.

** Energy value is calculated using a special design program. Calculation based on thermodynamic properties.

Shelf Life

TK cartridged emulsion products have a recommended shelf life of 1 year when stored in a clean, dry, cool and well-ventilated magazine.

Sleep Time

TK cartridged emulsion products' sleep time will be subjected to the recommended sleep time of the blasting agents or initiation systems that are used.

Temperature Requirement

TK cartridged emulsion products functioned well in temperatures ranging from 0° to 50° C.



Package Specification

Grade / Series	Dimension Size (mm)	Type of Cartridge	Cartridge Weight (Approx. kg)	Case Weight (Approx. kg)
Emulex® 180	25 X 200	Plastic / Paper	0.12	25
	32 X 200	Plastic / Paper	0.193	25
	35 X 400	Plastic	0.45	25
	50 X 400	Plastic	0.96	25
	55 X 400	Plastic	1.25	25
	60 X 400	Plastic	1.32	25
	65 X 400	Plastic	1.56	25