VALLEYFIELD MILITARY PROPELLANT

Propellant List

ENERGETICS | PROPELLANTS

OVERVIEW

GDOTS Canada Valleyfield Inc. is recognized internationally as a developer and producer of high quality extruded propellants for both military and sporting applications. The list below demonstrates our range for military applications, but not limted to these standard popular rounds/calibers.

CALIBER	CARTRIDGE SPECIFICATION	PROPELLANTS	TYPE
Small Caliber			
5.56mm	Blank C79, M200	XPR11G0*	DB, flake
5.56mm	Ball C77, M855	CMR 170* / XPR4196*	DB, 1 perforation
5.56mm	Tracer C78, M856	CMR 170* / XPR4196*	DB, 1 perforation
7.62mm	Blank C24, M82	XPR11G0*	DB, flake
7.62mm	Ball C21, M59, M80	CMR 100	SB, 1 perforation
7.62mm	Tracer C19, M62	CMR 100, CMR100-REACH*	SB, 1 perforation
9mm	Ball MK1, M882	SS8000*	DB, flake
.50cal	Tracer C163, M17	IMR 5010 / XPR50SSC*	SB, 1 perforation
.50cal	Ball C162, M2	IMR 5010 / XPR50SSC*	SB, 1 perforation
.50cal	AP-T C44	XPR61C1	SB, 1 perforation

**REACH compliant propellant*

GENERAL DYNAMICS
Ordnance and Tactical Systems–Canada

VALLEYFIELD

CALIBER	CARTRIDGE SPECIFICATION	PROPELLANTS	TYPE
Medium Caliber			
20mm	PGU27/B TP C144, M55 and M56	IMR 7013	SB, 1 perforation
25mm	Bushmaster C142, M792 HEI-T and M793 TP-T	XPR47C1, XPR47A1*	SB, 1 perforation
25mm	Bushmaster M791 APDS-T	XPR51C4*	SB, 7 perforations
25mm	Bushmaster C151, M910 TPDS-T	XPR50C4*	SB, 7 perforations
30mm	U.S. GAU-8/A, PGU-13/B, 14/B, 15/B	XPR83C1*, SPDN*	SB, 1 perforation
30mm	U.S. GAU-8/A, PGU-13/B, 14/B, 15/B	XPR65K1 flash pellets*	SB, 1 perforation
40mm	L/70 PFHE & L/70 HE-T	XPR96H1	SB, 1 perforation
40mm	L/60 TP M58	XPR53K4 / XPR55K4	SB, 7 perforations
40mm	Grenade Launcher 40 X 53, High Velocity	M2.016* / XPR30C2*	DB, 1 perforation
40mm	Grenade Launcher 40 X 46, Low Velocity	M9.0033*	DB, flake
Mortar			
60mm	Ignition Cartridge M5A1, M5A2	M9.0033*	DB, flake
60mm	Ignition Cartridge M702	M9.006*	DB, flake
60mm	Increment M3A1	M10.011*	SB, flake
4.2"	Bag-Loading Assembly M36A1	M9.010*	DB, flake
81mm	Ignition Cartridge M6	M9.010*	DB, flake
81mm	M90 Series Increment, Charge A	M9.012*	DB, flake
81mm	M90 Series Increment, Charge B	M9.022*	DB, flake
81mm	Increment C70A2	M10.011*	SB, 1 perforation
81mm	M185 Increment	M9.022*	DB, flake
Artillery and Naval			
57mm	L/70 3P	M39 type*	IM, 7 perforations
57mm	L/70 BL/P, PFHE, HE	XPR11C1*	SB, 1 perforation
3"/50	MK 7, MK 9	Cordite N, SPCG*	TB, 1 perforation
3"/70	MK 10	SPCG*	TB, 1 perforation
105mm	M67 increments 1-2	M1.015	SB, 1 perforation
105mm	M67 increments 3-7	M1.025	SB, 7 perforations
105mm	HE ER G2	XPR12G7*	SB, 19 perforations
5"/54	MK45 Naval Gun; MK67 charge	BS NACO	SB, 7 perforations
5"/54	MK45 Naval Gun; MK67 charge	SHP943*	DB, 7 perforations
155mm	M3A1 zones 3-5	M1.016	SB, 1 perforation
155mm	M4A2 zones 3-7	M1.033	SB, 7 perforations
155mm	M119A1 zone 8	M6.055	SB, 7 perforations
155mm	ERFB, ERFB-BB	XPR21N7	SB, 19 perforations

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CALIBER	CARTRIDGE SPECIFICATION	PROPELLANTS	TYPE
155mm	Cargo projectile expulsion charge	M10.011*	SB, flake
155mm	M231 (MACS) propelling charges	PAP7993*	SB, 7 perforations
155mm	M232 (MACS) propelling charges	M30A2*	TB, 7 perforations
155mm	M232A1/M232A2 (MACS) propelling charges	M31A2	TB, 7 perforations
155mm (58cal)	ERCA (XM660/XM655 A&B)	M31A2 kerfed sticks	Stick, 19 perforations
203mm	M118A1 charge 8-9	XPR21N7	SB, 19 perforations
Tank			
57mm	Canister T25E5	M10.018*	SB, 1 perforation
76mm	HESH C69 L29	NQ/M.028*	TB, 7 perforations
76mm	APFSDS-T (M464)	M30.043*	TB, Hex 19 perforations
90mm	APFSDS and TPFSDS	XPR11R9*	TB, Hex Ros 19 perforations
105mm	HESH, SH/T Practice C72	M1.034	SB, 7 perforations
105mm	HESH, HEP-TP-T	XPR11C1*	SB, 1 perforation
105mm	TP/FSDS-T, C71	M6.029	SB, 7 perforations
105mm	TPDS-T, C74	M6.029	SB, 7 perforations
105mm	APFSDS/T, C76	NQ/M.044*	TB, 7 perforations
105mm	APFSDS/T, C76A1, M735	M30.052*	TB, 7 perforations
105mm	APERS-T, M494	M30.050*	TB, 7 perforations
105mm	TP-T, M490 or HEAT-T, M456	M30.058*	TB, 7 perforations
105mm	M1040 Canister	M14.051	SB, 7 perforations
105mm	Blank C29	CMR100	SB, 1 perforation
105mm	Saluting charges	Silver Strike*	SB, 1 perforation
106mm	M40A2 HEAT M34A1	M26.037	DB, 7 perforations
120mm	TPCSDS-T M865	M14.042	SB, 7 perforations
120mm	TPCSDS-T M865	RPD596.045*	DB, 7 perforations
120mm	TP-T M831A	M14.051	SB, 7 perforations
120mm	TPMP M1002	M14.046	SB, 7 perforations
120mm	TPMP M1002	RPD596.047*	DB, 7 perforations
120mm	M830/M831	DIGL-RP	DB, 7 perforations
120mm	TPCSDS-T M865 (LKL)	XPR13G7	SB, 19 perforations
120mm	IM HE-T	SHP923*	DB, 7 perforations
Ignitors			
Tank, Artillery	Ignitor	Benite*	DB strands
Tank, Artillery	Ignitor	CBI*	SB Flakes

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