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HODGDON EXTREME RIFLE POWDERS					



Our exclusive line of extruded rifle powders – **Hodgdon Extreme™** – was developed to give shooters consistent performance, load after load, in even the most extreme heat and cold.

H4198

This Extreme Extruded propellant has gone through some changes since its inception, all the time maintaining the same important burning speed of the past. The kernels were shortened for improved metering and necessary elements were added to make it extremely insensitive to hot/cold temperatures. H4198 is outstanding in cartridges like the 222 Remington, 444 Marlin and the 7.62 X 39. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

H322®

This Extreme Extruded powder has won more bench rest matches than all other propellants combined. It provides match grade accuracy in small and medium capacity cartridges like the 223 Remington, 6mm PPC and the 7mm TCU. As a fine extruded powder, it flows through powder measures with superb accuracy. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

BENCHMARK

As the name implies, this Extreme Extruded propellant was developed for precision cartridges. As such, it is ideally suited for benchrest and small varmint cartridges like the 6mm PPC, 22 PPC, 6mm BR, 223 Rem. and 222 Rem. Additionally, it performs superbly in the 204 Ruger and with light match bullets in 308 Winchester. With small, easy metering granules, competitors will love how it flows through progressive presses. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

H4895®

This is a most versatile rifle powder. This member of the Extreme Extruded line powder is great for 17 Remington, 250-3000 Savage, 308 Winchester and 458 Winchester, to name just a few. It is amazingly accurate in every cartridge where it is listed in our data. It had its origin in the 30-06 as a military powder and was the first powder Bruce Hodgdon sold to the loading public. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

VARGET®

The first of Hodgdon's revolutionary Extreme Extruded Powders, VARGET features small extruded grains for uniform metering, insensitivity to hot/cold temperatures and higher energy for improved velocities over other powders in its burning speed class. Easy ignition and clean burning characterize other features that translate into superb accuracy, higher scores and more clean, one shot kills. The perfect powder for competitive Match shooting 223 Remington and Heavy bullets. Outstanding performance and velocity can be obtained in such popular cartridges as the 223 Remington, 22-250 Remington, 308 Winchester, 30-06, 375 H&H and many more. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

H4350

This Extreme Extruded propellant is a burning speed that has been known to shooters for decades. During that time, Hodgdon has modernized H4350 by shortening the grains for improved metering and making it insensitive to hot/cold temperatures. H4350 is ideal in the WSM family of calibers (270, 7mm, 30, 325). H4350 is the standard in such cartridges as the 243 Winchester, 6mm Remington, 270 Winchester, 338 Winchester Magnum and many more. For magnums with light to moderate weight bullets, it can't be beat! Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

H4831® & H4831SC®

It is probably safe to say more big game has been taken with H4831 than any other powder. Bruce Hodgdon was the first supplier to introduce this popular burning rate in 1950. Since that time it has become a favorite for cartridges like the 270 Winchester, 25-06 Remington, 280 Remington and 300 Winchester Magnum. As an Extreme Extruded propellant it shares the fine quality of insensitivity to hot/cold temperatures, as well as superb uniformity from lot to lot.

H4831SC - Ballistically, this Extreme Extruded powder is the exact copy of H4831. Physically, it has a shorter grain size, therefore, the designation SC or short cut. The shorter, more compact kernels allow the powder to flow through the powder measures more smoothly, helping to alleviate the constant cutting of granules. With the smoother flow characteristics comes more uniform charge weights, while the individual grains orient more compactly, creating better loading density. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

H1000™

This very slow burning Extreme Extruded powder is perfect for highly overbored magnums like the 7mm Remington Magnum, 7mm STW and the 30-378 Weatherby. In addition, with heavy bullets, H1000 gives top velocity and performance in such cartridges as the 6mm-284, 257 Weatherby, 270 Winchester, and 300 Winchester Magnum. In a short period of time this powder has achieved considerable notoriety among long range match shooters. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

RETUMBO®

This magnum powder was designed expressly for the really large overbored cartridges such as the 7mm Remington Ultra Magnum, 300 Remington Ultra Magnum, 30-378 Weatherby Magnum, etc. RETUMBO adds 40-100 fps more velocity to these cartridges when compared to other normal magnum powders. In addition, it is an Extreme Powder, making it perfect for big game hunting under all types of conditions. Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

H50BMG

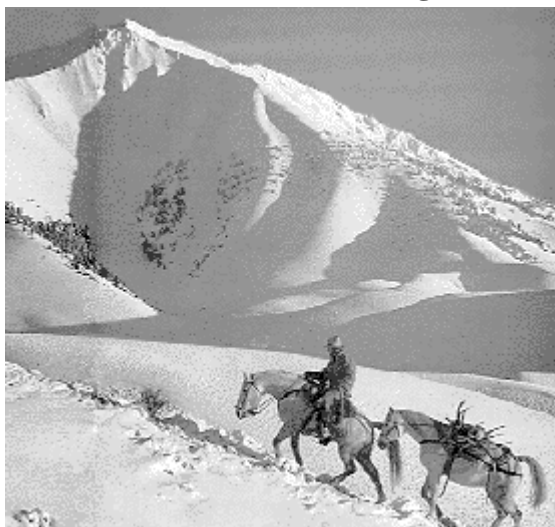
As the name implies, this new generation Extreme Extruded rifle propellant is a clean burning powder designed expressly for the 50 caliber BMG cartridge. Because it shares the same technology as VARGET, H50BMG displays a high degree of thermal stability in temperature extremes. Tests have conclusively proven that H50BMG yields very low extreme spreads in velocity and pressure. All this translates into small groups at extended ranges! Available in 1 lb. & 8 lb. containers. [Take the Extreme Tour](#)

[Go to Shotgun/Pistol](#)

[Go to Spherical Rifle Powder](#)

EXTREME RIFLE POWDERS

In the shooting world there are two kinds of people.



Those who like to plink around, with little or no regard to accuracy and consistency. And then there are those who take the discipline of shooting to a whole new extreme. Shooters, not unlike yourself, who sense changes in performance with changes in the weather. People who recognize lot differences in certain powders with a single pull of the trigger. For those discriminating few, Hodgdon is proud to offer the Extreme Series.

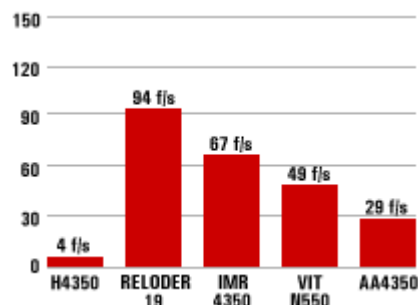
[CONTINUE](#)

EXTREME RIFLE POWDERS

This exclusive line of extruded powders was developed with extreme conditions in mind.

They're manufactured so you can't tell the difference in performance from one lot to the next. And whether you're hunting deer in the dead of winter or prairie dogs in the middle of July, you'll get the same consistent performance, load after load. Some would say our obsession with performance is a bit extreme. We couldn't agree more.

Extreme Velocity Spread
For Temperatures Between
0° - 125°

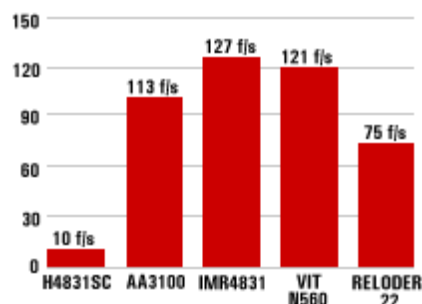


Cartridge: 30-06
Case: W-W
Primer: WLR
165 gr. Hornady SP

TEMPERATURE EXTREMES

You live in the "real" world, where 12 point bucks are rare and it's never 70° when you decide to fire your rifle. Where you shoot it's either freezing cold or burning hot. Not exactly ideal conditions for your rifle, or you for that matter. Fortunately, Hodgdon's Extreme powders perform just as well at 125° as they do at 0°. Using an exclusive extrusion process and exacting quality standards, Hodgdon has created a line of propellants that performs better at hot and cold temperatures than any other powder on the market. So when you sight in your rifle this summer, you can count on unbeatable accuracy this winter.

Extreme Velocity Spread
For Temperatures Between
0° - 125°

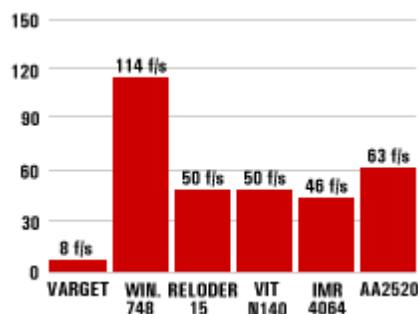


Cartridge: 300 Win. Mag.
Case: W-W
Primer: WLRM
180 gr. Sierra Boat Tail SP

LOT CONSISTENCY

Hodgdon goes through painstaking measures to ensure that all powder is consistent from lot to lot. And while the casual user may never notice, you certainly will. No matter when you purchase Hodgdon powder, you can feel confident that the performance you receive from one lot will match that of another.

Extreme Velocity Spread
For Temperatures Between
0° - 125°

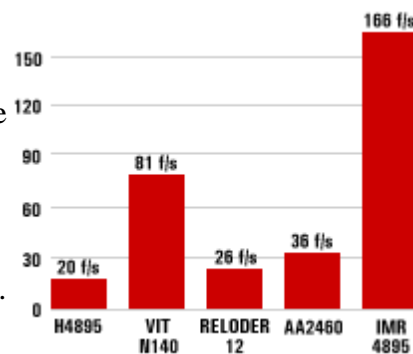


Cartridge: 308 Win.
Case: W-W
Primer: WLR
168 gr. Sierra BTHP

Extreme Velocity Spread
For Temperatures Between
0° - 125°

SHORT GRAIN METERING

With Hodgdon Extreme powders you get the best of both worlds. On one hand you get extruded performance that outperforms the best long grain powders on the market in any kind of weather. On the other, the shorter grains produced in the extrusion process meter extremely well. That means you can use Extreme powders in progressive loaders for high volume loading. Whether you're loading for targets, big game, plinking or varmints, Hodgdon has an extruded powder that will work for you.



Cartridge: 22-250 Rem.
Case: W-W
Primer: WLR
55 gr. Speer FMJ-BT



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EXTREME RIFLE POWDERS

ACTUAL DATA COMPARING EXTREME SPREADS

[30-06](#) | [300 Win. Mag](#) | [308 Win.](#) | [22-250 Rem.](#)

CARTRIDGE: 30-06 • CASE: W-W PRIMER: WLR • BULLET: 165 gr. Hornady SP						
POWDER	H4350	RELODER 19	IMR 4350	VIT N550	AA 4350	
Pressure 70 Deg. F	47,300 CUP	47,200 CUP	51,400 CUP	50,100 CUP	47,100 CUP	
Pressure 125 Deg. F	47,800 CUP	47,800 CUP	50,900 CUP	60,200 CUP	45,100 CUP	
Pressure 0 Deg. F	48,000 CUP	48,900 CUP	51,700 CUP	47,600 CUP	51,900 CUP	
Velocity 70 Deg. F	2881 f/s	2820 f/s	2908 f/s	2883 f/s	2786 f/s	
Velocity 125 Deg. F	2880 f/s	2902 f/s	2941 f/s	2927 f/s	2772 f/s	
Velocity 0 Deg. F	2884 f/s	2808 f/s	2874 f/s	2878 f/s	2801 f/s	
Pressure Variation (Hot)	+500 CUP	+600 CUP	-500 CUP	+10,100 CUP	-2,000 CUP	
Pressure Variation (Cold)	+700 CUP	+1,700 CUP	+300 CUP	-2,500 CUP	+4,800 CUP	
Velocity Variation (Hot)	-1 f/s	+82 f/s	+33 f/s	+44 f/s	-14 f/s	
Velocity Variation (Cold)	+3 f/s	-12 f/s	-34 f/s	-5 f/s	+15 f/s	
Extreme Pressure Spread	700 CUP	1,700 CUP	800 CUP	12,600 CUP	6,800 CUP	
Extreme Velocity Spread	4 f/s	94 f/s	67 f/s	49 f/s	29 f/s	
CARTRIDGE: 300 Win. Mag. • CASE: W-W PRIMER: WLRM • BULLET: 180 gr. Sierra Boat Tail SP						
POWDER	H4831SC	AA 3100	IMR 4831	VIT N560	RELODER 22	
Pressure 70 Deg. F	54,000 CUP	51,800 CUP	51,000 CUP	52,400 CUP	53,000 CUP	
Pressure 125 Deg. F	52,800 CUP	54,300 CUP	54,400 CUP	57,000 CUP	55,100 CUP	
Pressure 0 Deg. F	53,200 CUP	51,500 CUP	49,400 CUP	51,800 CUP	52,700 CUP	
Velocity 70 Deg. F	2985 f/s	3050 f/s	3012 f/s	3009 f/s	3087 f/s	
Velocity 125 Deg. F	2995 f/s	3113 f/s	3080 f/s	3101 f/s	3142 f/s	
Velocity 0 Deg. F	2986 f/s	3000 f/s	2953 f/s	2980 f/s	3067 f/s	
Pressure Variation (Hot)	-1,200 CUP	+2,500 CUP	+3,400 CUP	+4,600 CUP	+2,100 CUP	
Pressure Variation						

(Cold)	-800 CUP	-300 CUP	-1,600 CUP	-600 CUP	-300 CUP	
Velocity Variation (Hot)	+10 f/s	+63 f/s	+68 f/s	+92 f/s	+55 f/s	
Velocity Variation (Cold)	+1 f/s	-50 f/s	-59 f/s	-29 f/s	-20 f/s	
Extreme Pressure Spread	1,200 CUP	2,800 CUP	5,000 CUP	5,200 CUP	2,400 CUP	
Extreme Velocity Spread	10 f/s	113 f/s	127 f/s	121 f/s	75 f/s	
CARTRIDGE: 308 Win. • CASE: W-W PRIMER: WLR • BULLET: 168 gr. Sierra BTHP						
POWDER	VARGET	WIN. 748	RELODER 15	VIT N140	IMR 4064	AA 2520
Pressure 70 Deg. F	51,100 CUP	50,200 CUP	50,300 CUP	49,600 CUP	51,100 CUP	49,900 CUP
Pressure 125 Deg. F	51,500 CUP	51,100 CUP	47,300 CUP	51,000 CUP	49,700 CUP	52,600 CUP
Pressure 0 Deg. F	51,200 CUP	47,300 CUP	48,700 CUP	47,500 CUP	51,300 CUP	50,500 CUP
Velocity 70 Deg. F	2771 f/s	2724 f/s	2715 f/s	2665 f/s	2686 f/s	2805 f/s
Velocity 125 Deg. F	2779 f/s	2769 f/s	2705 f/s	2679 f/s	2697 f/s	2844 f/s
Velocity 0 Deg. F	2778 f/s	2655 f/s	2665 f/s	2629 f/s	2651 f/s	2781 f/s
Pressure Variation (Hot)	+400 CUP	+900 CUP	-3,000 CUP	+1,400 CUP	-1,400 CUP	+2,700 CUP
Pressure Variation (Cold)	+100 CUP	-2,900 CUP	-1,600 CUP	-2,100 CUP	+200 CUP	+600 CUP
Velocity Variation (Hot)	+8 f/s	+45 f/s	-10 f/s	+14 f/s	+11 f/s	+39 f/s
Velocity Variation (Cold)	+7 f/s	-69 f/s	-50 f/s	-36 f/s	-35 f/s	24 f/s
Extreme Pressure Spread	400 CUP	3,800 CUP	3,000 CUP	3,500 CUP	1,600 CUP	2,700 CUP
Extreme Velocity Spread	8 f/s	114 f/s	50 f/s	50 f/s	46 f/s	63 f/s
CARTRIDGE: 22-250 Rem. • CASE: W-W PRIMER: WLR • BULLET: 55 gr. Speed FMJ-BT						
POWDER	H4895	VIT N140	RELODER 12	AA 2460	IMR 4895	
Pressure 70 Deg. F	49,500 CUP	48,700 CUP	51,700 CUP	50,000 CUP	48,100 CUP	
Pressure 125 Deg. F	48,700 CUP	50,500 CUP	49,400 CUP	54,100 CUP	52,300 CUP	
Pressure 0 Deg. F	49,700 CUP	46,800 CUP	51,900 CUP	48,700 CUP	48,000 CUP	
Velocity 70 Deg. F	3742 f/s	3662 f/s	3607 f/s	3671 f/s	3699 f/s	
Velocity 125 Deg. F	3748 f/s	3692 f/s	3609 f/s	3707 f/s	3791 f/s	
Velocity 0 Deg. F	3728 f/s	3611 f/s	3633 f/s	3673 f/s	3625 f/s	
Pressure Variation (Hot)	-800 CUP	+1,800 CUP	-1,700 CUP	+4,100 CUP	+4,200 CUP	

Pressure Variation (Cold)	+200 CUP	-1,900 CUP	+200 CUP	-1,300 CUP	-100 CUP	
Velocity Variation (Hot)	+6 f/s	+30 f/s	+2 f/s	+36 f/s	+92 f/s	
Velocity Variation (Cold)	-14 f/s	-51 f/s	+26 f/s	+2 f/s	-74 f/s	
Extreme Pressure Spread	1,000 CUP	3,700 CUP	1,900 CUP	5,400 CUP	4,300 CUP	
Extreme Velocity Spread	20 f/s	81 f/s	26 f/s	36 f/s	166 f/s	



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