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RS 20

PISTOL POWDER

Uses:

RS20 was developed many years ago on behalf of the Swiss Army for 9 mm pistol ammunition. Since then, it has proved highly effective in a variety of different pistol calibres. Until now, RS20 has been supplied by various dealers in Switzerland.

Standard calibres:

9 mm Luger
.45 Automatic
.38 Special
7.65 Parabellum

Packaging units:

500 g can + 4 kg drum

Powder type:

RS20 is a porous, extruded flake propellant based on nitro-cellulose.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 4,100 J/g
Bulk density	approx. 670 g/l
Length x width	approx. 1.1 x 1.1 mm
Thickness	approx. 0.3 mm

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RS 24

PISTOL POWDER

Uses:

We developed our RS24 propellant powder in cooperation with the IPSC national champion, especially for 9 x 21 calibre applications. However, the powder can also be used in other large-bore handgun cartridges.

Standard calibres:

9 x 21
.40 S&W with heavy bullets
.357 Magnum
.44 Rem. Mag.

Packaging units:

500 g can + 4 kg drum

Powder type:

RS24 is an extruded single-based propellant powder based on nitrocellulose. A unique impregnation method using nitro-glycerine assures top performance.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 4,350 J/g
Bulk density	approx. 850 g/l
Grain diameter	approx. 0.5 mm
Grain length	approx. 0.6 mm



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RS30

RIFLE-/PISTOL POWDER

Uses:

RS30 propellant powder was developed for the .22 calibre Hornet. It is also especially suitable for large-bore revolver cartridges.

Standard calibres:

.22 Hornet
.357 Magnum
.44 Rem. Mag.

Packaging units:

500 g can + 4 kg drum

Powder type:

RS30 is a porous, extruded single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 4,000 J/g
Bulk density	approx. 820 g/l
Grain diameter	approx. 0.75 mm
Grain length	approx. 1.0 mm



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RS40

RIFLE POWDER

Uses:

RS40 derives directly from our successful, military-qualified 5.56 mm propellant powder. This makes it the perfect powder for .222 Rem. and .223 Rem. It also works extremely well with medium-bore cartridges such as the .308 Win. in combination with lightweight bullets.

Standard calibres:

.222 Rem.
.223 Rem.
.308 Win. with lightweight bullets

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS40 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 3,950 J/g
Bulk density	approx. 940 g/l
Grain diameter	approx. 0.7 mm
Grain length	approx. 1.1 mm

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RS50

RIFLE POWDER

Uses:

RS50 is a universally useable .308 Win. propellant. It is extremely benign and therefore ideal for use in many popular, medium-bore hunting calibres.

Standard calibres:

.308 Win.
.375 H&H Mag.
8 x 57 IS
9.3 x 64 Brenneke

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS50 is an extruded, single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 3,750 J/g
Bulk density	approx. 950 g/l
Grain diameter	approx. 0.75 mm
Grain length	approx. 1.0 mm



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RS52

RIFLE POWDER

Uses:

When it comes to applications, RS52 propellant is comparable to our RS50. In short, it is a typical 308 Win. powder, featuring an outstanding pressure/velocity ratio and flat temperature behaviour.

Standard calibre:

.308 Win.
.30-06 Spring. with lightweight bullets
8 x 57 IS

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS52 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 3,900 J/g
Bulk density	approx. 950 g/l
Grain diameter	approx. 0.75 mm
Grain length	approx. 1.1 mm



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RS60

RIFLE POWDER

Uses:

RS60 is ideal for .30-06 Springfield cartridges. In addition, it can be used to load many short magnums. This propellant is perfect for high-performance applications and features excellent temperature behaviour.

Standard calibres:

.30-06 Spring.
8 x 68 S
6.5 x 47 Lapua
6.5 x 55 SE

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS60 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 4,000 J/g
Bulk density	approx. 970 g/l
Grain diameter	approx. 0.9 mm
Grain length	approx. 1.4 mm

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RS62

RIFLE POWDER

Uses:

RS62 propellant was originally developed for 270 Win., but is also superb for .30-06 Spring. cartridges. In terms of vivacity, it approaches RS60, but RS62 operates with significantly lower energy content and thus produces less barrel wear. A genuine alternative for shooters who are looking for a straightforward, honest, easy-to-use propellant powder for magnum cartridges in light and medium-weight applications.

Standard calibres:

.30-06 Spring.
7 x 64
.270 Win.

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS62 is an extruded, single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Characteristic data:

Heat of explosion	approx. 3,750 J/g
Bulk density	approx. 960 g/l
Grain diameter	approx. 0.85 mm
Grain length	approx. 1.9 mm



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RS 70

RIFLE POWDER

Uses:

The RS70 is especially well suited for large-calibre hunting cartridges. It was originally developed for .300 Win. Mag., but also lends itself to many other magnum cartridges.

Standard calibres:

.300 Win. Mag.
.338 Lapua Mag.

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS70 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance. The powder contains a modern, lead-free de-coppering additive, making it suitable for low-pollution ammunition.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 3,900 J/g
Bulk density	approx. 990 g/l
Grain diameter	approx. 1.0 mm
Grain length	approx. 1.4 mm



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RS80

RIFLE POWDER

Uses:

Designed especially for heavy-duty magnum cartridges, RS80 is our slowest burning powder. It was originally developed for .338 Lapua Mag., but works extremely well even with .50 cal. Browning rounds. Optimized for temperature behaviour, RS80 displays excellent pressure/velocity ratios in numerous calibres.

Standard calibres:

.338 Lapua Mag.
7 mm Rem. Mag.
.50 Browning

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS70 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance. The powder contains a modern, lead-free de-coppering additive, making it suitable for contemporary lead-free ammunition.

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years.

Verification tolerances:

Batch-to-batch tolerance:
 $v_5 \pm 12$ m/s
 $p_{max} \pm 250$ bar

Key characteristics:

Heat of explosion	approx. 3,850 J/g
Bulk density	approx. 1,000 g/l
Grain diameter	approx. 1.2 mm
Grain length	approx. 1.8 mm

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