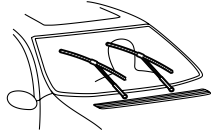


Zapp Black Wire Datasheet Precision Wire



Zapp is certified to ISO 9001



Zapp black wire for wiper blade splines
Dull, frosty surface

Product features

Weathering and temperature resistant powder based on polyester with special abrasiveness and a dull, frosty surface. The powder is developed for a high impact-resistant surface and low friction, good mechanical properties (cupping, flexibility) and UV resistance. These powders can be used for exterior applications (automotive, buildings).

Physical properties of coating

Specific gravity coating	1.27 kg/ dm ³
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Technical data

Color family	Black, different colors are possible
Gloss level at 60 ° (NF.EN ISO 2813)	5.0 ± 2.0 units
QUVB Test (DIN EN ISO 11507)	> 300h/ 95 % gloss retention
Xenotest 150S (acc. to DIN EN ISO 4892)	Grade 4 at 3000h grey scale (DIN EN 20105-A02)
Impact resistance (NF.EN ISO 1520)	1 kg / 50 cm
Erichsen-cupping-test (NF.EN ISO 1520)	7 mm
Adhesion (NF.EN ISO 2409)	Class 0
Mandrel bend test (NF.EN ISO 1519)	5 mm

This powder coating complies with the European Directive RoHS n° 2002/95/CE of the 27 January 2003.

Typical analysis*

	C	Si	Mn	P	S	Cr
1.0611 (C62D)	0.60 – 0.65	0.10 – 0.30	0.50 – 0.80	≤ 0.035	≤ 0.035	≤ 0.15
AISI 1065	0.60 – 0.70	0.15 – 0.30	0.60 – 0.90	≤ 0.04	≤ 0.04	-
1.0613 (C68D)	0.65 – 0.70	0.10 – 0.30	0.50 – 0.80	≤ 0.035	≤ 0.035	≤ 0.15
1.0617 (C72D)	0.70 – 0.75	0.10 – 0.30	0.50 – 0.80	≤ 0.035	≤ 0.035	≤ 0.15
1.0618 (C92D)	0.90 – 0.95	0.10 – 0.30	0.50 – 0.80	≤ 0.035	≤ 0.035	≤ 0.15

* DIN EN 10016-2, ASTM A510M-08

Zinc coating / Pretreatment

Galvanized steel	
Zinc coating thickness	min. 3 µm
Constituents of zinc	99.995 % zinc
Specific gravity zinc	7.14 kg/dm ³
Passivation	Cr VI free

Mechanical properties of Zapp black

	Short Symbol	Value at 20 °C	Unit
Tensile strength	Rm	1600 - 2050	MPa
Yield ratio	Rp _{0.2} / Rm	≥ 95 %	%
Elongation	A20	≥ 2	%

Special advices

- Corrosion protection completely surrounded
- Homogenous coating
- Free of triglycidylisocyanurat (TGIC)
- Free of CrVI
- No heavy metal (free of cadmium)
- All coating processes controlled in-house
- Machinery is state-of-the-art due to new investments

Dimensions

*	Width	Thickness
Zapp Black, 1.0613*	4.35 – 13.00 mm	0.5 – 1.20 mm

* All dimensions are available in each grade of core wire.

Other dimensions on request.

(independent of material)

Delivery forms & design

Zapp Black, 1.0611*	Dull frosty surface
Zapp Black, 1.0613*	Dull frosty surface
Zapp Black, 1.0617*	Dull frosty surface

* adding a special water based anti-sticking-finish

- rolled, zinc-coated
- rolled, zinc-coated, powder-coated

(independent of material)

Zapp Precision Metals GmbH

PRECISION WIRE

Letmather Straße 69

58239 Schwerte

P.O. Box 17 20

58212 Schwerte

Phone +49 2304 79-120

Fax +49 2304 79-415

precisionwire@zapp.com

www.zapp.com

Further information regarding our products and locations are available in our image brochure and under www.zapp.com

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