

AKTIVATOR

Abrasive Powder for Metal Abrasive Tools

DESCRIPTION

Aktivator Isoplam[®] is a special high-hardness abrasive powder composed of chemically treated green silicon carbide in high-purity macro and micro granules, compliant with FEPA regulations. It is used to improve the performance of metal abrasive tools (diamond discs, Quick Lock tools...) used in sanders to increase their effectiveness in removing material, improve surface finish and extend their operating life.

ADVANTAGES

Aktivator Isoplam[®]:

- improves the effectiveness of sanding by shortening processing times;
- prevents tools from overheating;
- increases the service life of abrasive tools;
- Reduces the need for frequent maintenance and tool changes.

HOW TO USE

Spread a couple of tablespoons of Aktivator on the surface to be sanded and start sanding. Every 100 square meters or so, reapply the powder on the surface to be worked. Aktivator can also be used on surfaces that have deep scratches due to sanding errors: spread two tablespoons of Aktivator and work the surface until the scratches are completely eliminated.

Note: Do not use Aktivator with resinoid diamond blades or tools as Aktivator will wear them out quickly.

TECHNICAL AND CHEMICAL DATA

Particle size distribution: it is measured according to FEPA Standard 42 GB 1984 R 1993.

Analisi chimica:						Bulk Density: LPD = Loose Pack Density	
Grit No.	Min. % SiC	Max. % C	Max. % SiO ₂	Max. % Si	Max. % MI	Min.	Max.
F 8	99.40	0.40	0.30	0.15	0.0020	1.32	1.42
F 10	99.40	0.40	0.30	0.15	0.0020	1.34	1.44
F 12	99.40	0.40	0.30	0.15	0.0020	1.35	1.45
F 14	99.40	0.40	0.30	0.15	0.0020	1.37	1.47
F 16	99.40	0.40	0.30	0.15	0.0020	1.39	1.49
F 20	99.40	0.40	0.30	0.15	0.0020	1.40	1.50
F 22	99.40	0.40	0.30	0.15	0.0020	1.41	1.51
F 24	99.40	0.40	0.30	0.15	0.0020	1.43	1.53
F 30	99.40	0.40	0.30	0.15	0.0020	1.45	1.55
F 36	99.40	0.40	0.30	0.15	0.0020	1.46	1.56
F 40	99.40	0.40	0.30	0.15	0.0020	1.49	1.59
F 46	99.40	0.40	0.30	0.15	0.0020	1.49	1.59
F 54	99.40	0.40	0.30	0.15	0.0020	1.49	1.59
F 60	99.40	0.40	0.30	0.15	0.0020	1.49	1.59
F 70	99.40	0.40	0.30	0.15	0.0020	1.47	1.57
F 80	99.40	0.40	0.30	0.15	0.0020	1.46	1.56
F 90	99.40	0.40	0.30	0.15	0.0020	1.43	1.53
F 100	99.60	0.20	0.20	0.15	0.0020	1.48	1.58
F 120	99.60	0.20	0.20	0.15	0.0020	1.42	1.52
F 150	99.60	0.20	0.20	0.15	0.0020	1.37	1.47
F 180	99.60	0.20	0.20	0.15	0.0020	1.34	1.44
F 220	99.60	0.20	0.20	0.15	0.0020	1.29	1.39
Procedure analitiche:	Preparazione del campione FEPA Standard 45 GB 1986 R 1993 Superficie di cristallo ANSI B74.15 1992 Ferro magnetico (MI) ANSI B74.19 1990 (R1995)					FEPA Standard 44 GB 1986 R 1993	

Chemical Composition

	Macros	Micro
SCI	99,40%	99,50%
Free-C	0,25%	0,20%
Free-SiO ₂	0,20%	0,15%
Free-Si	0,15%	0,10%
FeO ₃	--	0,1%
MI	0,01%	--

Grits and shapes:

Macro Grit		
Grit No.	Mean – Ø mm	LPD g/cm ³
F 24	0,745	1,43
F 30	0,625	1,45
F 36	0,525	1,46
F 40	0,438	1,49
F 46	0,370	1,49
F 54	0,310	1,49
F 60	0,260	1,49
F 70	0,218	1,47
F 80	0,185	1,46
F 90	0,154	1,43
F 100	0,129	1,48
F 120	0,109	1,42
F 150	0,082	1,37
F 180	0,069	1,34
F 220	0,058	1,29

Micro Grit		
Grit No.	Ø ds50 µm	LPD g/cm ³
F 230	53,0 ± 3,0	1,20 - 1,30
F 240	44,5 ± 2,0	1,17 - 1,27
F 280	36,5 ± 1,5	1,14 - 1,24
F 320	29,2 ± 1,5	1,09 - 1,25
F 360	22,8 ± 1,5	1,05 - 1,21
F 400	17,3 ± 1,0	1,00 - 1,20
F 500	12,8 ± 1,0	0,92 - 1,16
F 600	9,3 ± 1,0	0,85 - 1,09
F 800	6,5 ± 1,0	0,75 - 0,92
F 1000	4,5 ± 0,8	na
F 1200	3,0 ± 0,5	na
F 1500	2,0 ± 0,4	na

Procedures analytical:	La distribuzione granulometrica è misurata secondo standard FEPA 42-1:2006 per macro-grani e 42-2:2006 per micro-grani
	LPD Densità Confezione = sciolto è misurata secondo standard FEPA 44-1:2006 per macro-grani e 44-2:2006 per micro-grani
	Ferro magnetico (MI), misurata secondo ANSI B74.19-1990
	Composizione Chimica secondo ANSI B74.15-1992 (R2000)

PACKAGING, STORAGE AND SAFETY

Aktivator Isoplam® is available in 5 kg jars.

Store in a dry and ventilated place, away from direct sunlight.

Consult the safety data sheet before use.

Aktivator is intended for professional use only.

IMPORTANT

All information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use. The manufacturer accepts no liability for the results of incorrect applications. It is recommended to always carry out tests on small surfaces before application. The data can be changed at any time. This sheet replaces and cancels the previous ones.

The Aktivator product is intended for professional use only. Anyone who uses this product without being authorized to do so does so at their own risk. Isoplam Srl periodically organizes courses for its customers who request them.