

Kemet

Abrasive Products



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Kemet Abrasive products

Kemet supply the widest range of Abrasive products, spares and accessories to ensure trouble-free lapping and polishing processes.

Abrasives are available in liquids, pastes, suspensions and powders. Aluminium oxide and silicon carbide are available in a wide range of Fepa grit sizes.

Kemet International are the world leaders in precision surface technology. Free process advice is available when selecting the correct abrasive to use. Contact **Kemet International** for further information.

White Aluminium Oxide Powder



White fused aluminium oxide powder in a wide range of Micron and Fepa Grit sizes for smoothing operations. Available in 5 Kg and 25 Kg containers.

Micron Size	Fepa Grit Size
22.8	F360
9.3	F600
6.5	F800
5	F1000
3	F1200

Finer grades of aluminium oxide powder are available in 1 Kg containers – Gamma 0.04 Micron, Alpha 0.3 Micron and Alpha 1 Micron. Used on most materials as a polishing stage.

Silicon Carbide Powder



Available as Green Silicon Carbide or Black Silicon Carbide in a wide range of Micron and Fepa Grit Sizes. Supplied in 5 Kg or 25 Kg containers. Used for lapping Petrographic Materials.

Green Silicon Carbide powder

Micron Size	Fepa Grit Size
75	F180
36.5	F280
17.3	F400
9.3	F600
4.5	F1000
3	F1200

Black Silicon Carbide powder

Micron Size	Fepa Grit Size
53	F230
36.5	F280
17.3	F360
9.3	F600

Lapping Compounds and Pastes



Our range of specially formulated Lapping Compounds (White Aluminium Oxide, Green Silicon Carbide and Black Silicon Carbide) have many applications but are particularly suited for the lapping of mechanical seals and valve seats as they retain texture and lubrication during extended lapping operations. The main advantages include:-

- Water soluble and environmentally friendly.
- Fast & Effective Cutting.
- Strictly manufactured to ISO 9001:2000 Quality standards – MSDS supplied.
- Only finely graded abrasives used.

White Aluminium Oxide Lapping Paste

Available in 1Kg containers.

Micron Size	Fepa Grit Size
22.8	F360
12.8	F500
9.3	F600
6.5	F800
5	F1000
3	F1200

Green Silicon Carbide Lapping Paste

Available in 1 kg containers.

Micron Size	Fepa Grit Size
36.5	F280
29.2	F320
22.8	F360
17.3	F400
9.3	F600
4.5	F1000
3	F1200

Black Silicon Carbide Lapping Paste

Available in 1 Kg containers.

Micron Size	Fepa Grit Size
75	F180

Aluminium oxide paste (Sabre)



Sabre abrasive paste is produced with Aluminium oxide and is suitable for most fine lapping work. Effective for smoothing soft metals such as brass, aluminium and copper. Available in 20g syringes.

Micron Size	Description
23	Sabre 300
9	Sabre 301
7	Sabre 302
3	Sabre 303

OTHER ABRASIVES

Kemox



A comprehensive range of suspension treated abrasives where the abrasive and carrier are pre-mixed in the correct proportions, resulting in a cleaner and more efficient Lapping Process. Available in water soluble (Kemox –W) or oil soluble (Kemox-O) formulations in 5 or 25 Litres.

Col-K



A liquid polish used on Kemet Chem Cloth to produce the ultimate in high quality mirror polishes on polishing machines. A part abrasive, part chemical polishing action makes Col-K well suited to polishing difficult materials such as Stellite and Cobalt Chrome. Available in 5 or 20 Litres.