

PADS

CARRIERS OF POLISHING AND LAPPING SLURRIES

AB TOOLS

AB Tool is fine fibre carrier impregnated with thermoplastic polyurethane.

- High stock removal.
- Replacement of traditional materials (pitch, barex, cork, etc.).
- Higher polishing productivity.
- Suitable for polishing of plano surfaces of optical glass, monocrystals and special elements.

RECOMMENDED WORKING TEMPERATURE • 30 - 40 °C

RECOMMENDED POLISHING AGENTS • All traditional polishing slurries can be used, such as oxides of cerium, iron, aluminum, chromium, silica gel (Tosil 20), etc.

GLUEING • Proper type of glue is necessary. Avoid the glues with organic solvent otherwise it can destroy polyurethane foam. The temperature of gluing can't be higher than 80 °C.

HARDNESS • 40 - 45 ShD

OUTER DIAMETER • On customer's wish.

DIAMETER	THICKNESS	PRICE
300 mm	3.6 mm	€ 10.96
400 mm	3.6 mm	€ 17.56
500 mm	3.6 mm	€ 27.44



CZ TOOLS

CZ Tool is slightly porous polyurethane carrier.

- High quality of workpiece surface.
- Especially suitable for high quality polishing of glass, ceramic, quartz, monocrystals and metals.
- CZ Tools can be used for plano, spherical and aspherical optics.
- Great strength in high speed, high pressure applications.

RECOMMENDED POLISHING AGENTS • All traditional polishing slurries can be used, such as oxides of cerium, iron, aluminum, chromium, silica gel (Tosil 20) or diamond powder.

GLUEING • We recommend chlorinated rubber glues (Chemopren, Pattex) or various thermoplastic glues. It is possible to use double-sided Scotch tape.

HARDNESS • 30 - 35 ShD

OUTER DIAMETER • On customer's wish.

DIAMETER	THICKNESS	PRICE
300 mm	3.4 mm	€ 11.36
400 mm	3.4 mm	€ 18.24
500 mm	3.4 mm	€ 28.48



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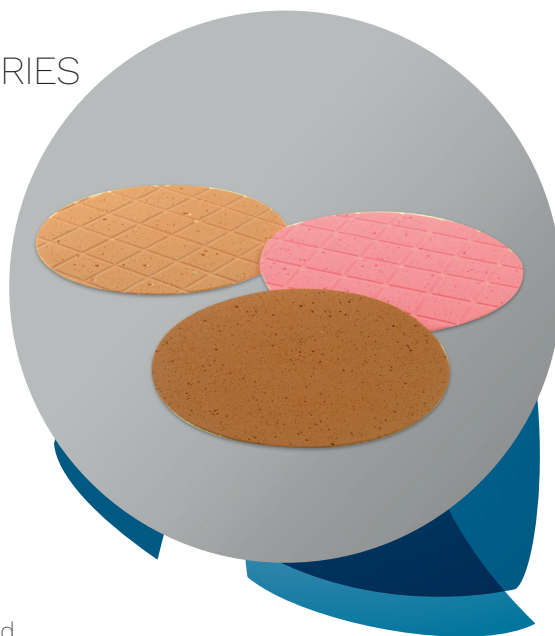
POLYURETHANE PADS PU-CE AND PU-ZR

- A micro-cellular polyurethane pads .
- suitable for polishing of precision optics, silicon wafers and other difficult applications.
- Polishing pads are incorporated with cerium oxide (PU-Ce tool) or zirconium oxide (PU-Zr tool).

SIZE • We offer polishing pads in outer diameter of 500 mm or in sheets 1000x500 mm. Upon prior arrangement, PU-Ce can be supplied in various shapes and dimensions to meet customer requirements.

HARDNESS • 78 ShA (PU-Ce), 88 ShA (PU-Zr)

GROOVES • We offer pads with grooves from pad thickness of 1.27 mm and bigger. Squered grooves in size 18x18 mm and depth of 0.6 mm help to achieve better distribution of polishing slurry in polishing process.



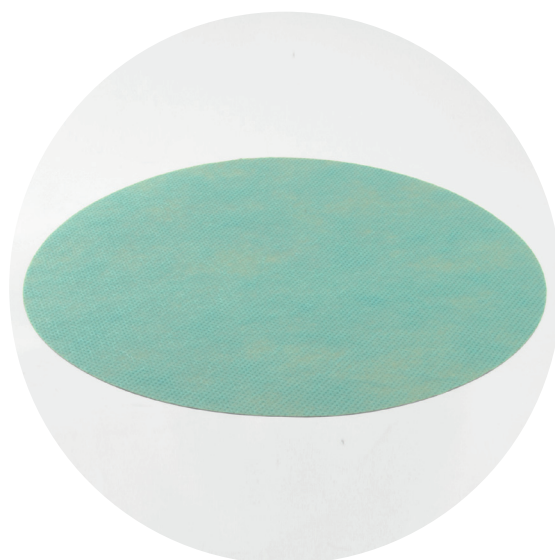
SIZE	THICKNESS	GROOVES	PU-CE PRICE	PU-ZR PRICE
1000x500 mm	1 mm	—	€ 62.32	
1000x500 mm	1.27 mm	—	€ 65.04	
1000x500 mm	1.27 mm	18x18 mm	€ 79.52	€ 85.44
1000x500 mm	2 mm	—	€ 71.28	€ 76.40
1000x500 mm	2 mm	18x18 mm	€ 85.84	€ 90.88

POLISHING PAD TYPE NT

- Nonwoven textile polishing pad with special surface modification.
- NT is designed for applications demanding unique shapes and more critical tolerances.

PACKAGE • Roll with width of 800 mm. On customer's wish we offer ring in various diameters. In that case we recommend glueing on PSA backing.

WIDTH	LENGHT	PRICE
800 mm	1 m	€ 26.88

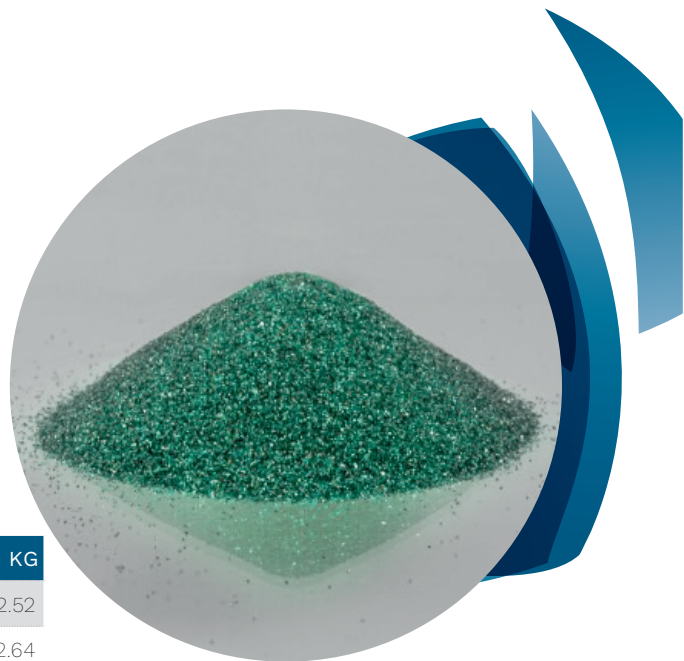


ABRASIVES

GRINDING POWDERS

CARBORUNDUM (SiC), WHITE CORUNDUM (Al₂O₃)

- Grinding and lapping powders suitable for grinding slurry.
- Two types of SiC: black - 48C, green - 49C (better quality).
- We offer various grit sizes in range of F16-F1200.



CORUNDUM	PRICE FOR KG
F16-F90	€ 1.68
F100-F220	€ 1.76
F240	€ 2.51
F280-F320	€ 2.96
F360-F400	€ 3.54
F600	€ 3.82
F800	€ 4.92
F1000	€ 5.16
F1200	€ 7.08

BLACK SiC	PRICE FOR KG
F16-F90	€ 2.52
F100-F180	€ 2.64
F220-F360	€ 2.96
F400	€ 3.20
F500-F1000	€ 3.59

POLISHING SLURRIES

- Polimax™ polishes are based on high purity white aluminium oxide.
- The Polimax™ range of polishes has been specially developed for the high performance polishing of plastics, including CR39, polycarbonates and acrylics.

POLIMAX™ MD • is universal type suitable for most applications. It can be used for plastics as well as for monocrystals

POLIMAX™ X • has a high stock removal rate and a high quality finish at a more economical price



TYPE	POLIMAX™ MD	POLIMAX™ X
D50	1.8 µm	1.2 µm
pH	3.1 ±0.2	3.1 ±0.3
PACKAGE	1 US gallon	1 US gallon
PRICE	€ 51.04	€ 48.90

POLISHING POWDERS

Cerium oxide polishing powders (CeO₂)



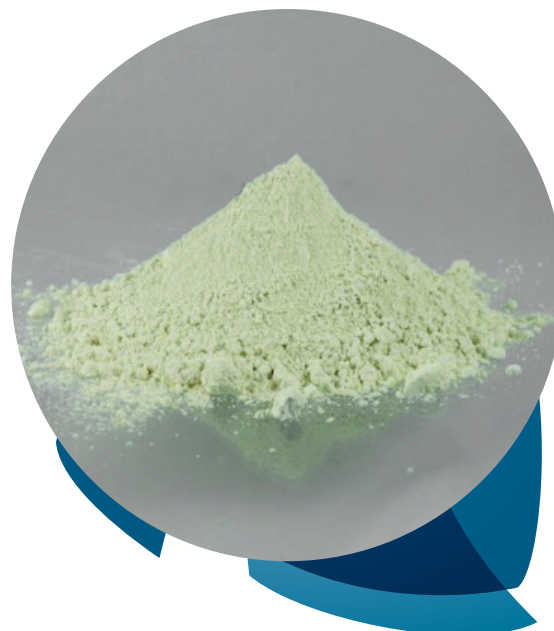
- White polishing powders based on cerium oxide.
- Outstanding properties (long life, top quality of polished surface).
- Recommended concentration of polishing slurry: 100–150 g/l.

CEROX™ 1650 • Universal type. Optimized polishing performance for demanding applications. A long lasting efficiency and high surface quality.

CEROX™ 1663 • Suited for polishing ophtalmic lenses and optical glass. Provides excellent suspension characteristics, a high polishing efficiency suitable for mass production.

CEROX™ 1670G • High efficiency polishing powder suitable for polishing of wide range of materials. Contains additives supressing sedimentation.

OPALINE™ • High quality polishing of precession optics. Requires different polishing conditions, usually softer and longer operations targeting very high surface quality and very low roughness.



TYPE	CEROX™ 1650	CEROX™ 1663	CEROX™ 1670G	OPALINE™
PRODUCER	Solvay	Solvay	Solvay	Solvay
D50	1.0 - 2.0 µm	1.0 - 2.0 µm	1.0 - 2.0 µm	117 µm
CeO ₂ CONTENT	54 - 63 %	54 - 63 %	≥ 66,5 %	≥ 99 %
PACKAGE	20 kg	20 kg	20 kg	20 kg
PRICE	€ 30	€ 30	€ 30	€ 80

