

PUREON

## Polishing pads

Product range



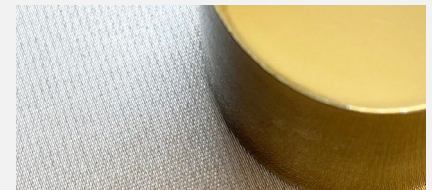
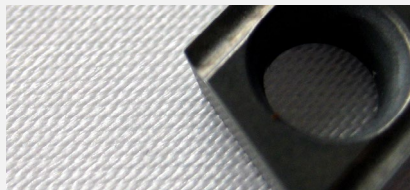
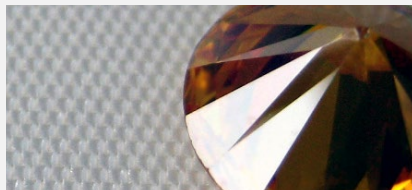
**The right polishing pad for every application**

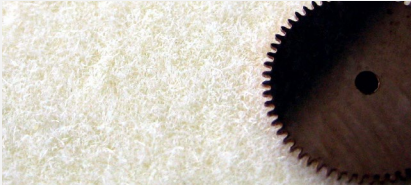
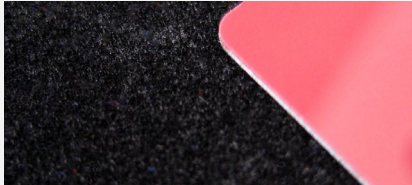


**Matching diamond type and size with your process requirements ensures first-class results.**

**Diamond type selection**

Polycrystalline diamond is best suited for lapping and polishing of both extremely hard and soft materials. Thanks to its unique characteristics, maximum material removal rates and superior surface quality are achieved. Monocrystalline synthetic diamond is relatively inexpensive to produce and therefore widely used for grinding, lapping and polishing applications. Natural diamond is preferred for the production of electroplated diamond tools. Nanodiamond is a nano-material used in a variety of applications and research projects.

<b>Polishing pad</b>	<b>QUICK-STEP Pre-polishing Stock removal</b>	<b>STEP-PLUS Polishing</b>	<b>SAMBA-N Polishing</b>	<b>STEP-PRO Polishing</b>
Material	Hard synthetic fibre	Medium hard synthetic fiber cloth	Medium hard woven wool polishing pad	Hard synthetic fiber pad
Typical applications	First choice for pre-polishing and stock removal. Very high removal rate on all materials	Good removal rate and superb finishing on all materials	Fine polishing of larger workpieces, excellent for manual preparation	Superb removal rate and high durability through twisted fibers
Typical diamond size	6-20 micron	1-6 micron	1-15 micron	1-6 micron
Thickness	0.5 mm	0.65 mm	0.33 mm	0.65 mm
Shore hardness (Shore A)	97 Shore A	96 Shore A	87 Shore A	96 Shore A
Diameter (standard) Diameter (custom)	200/250/300/350 mm Max. 1300 mm	200/250/300/350 mm Max. 1300 mm	200/250/300/350 mm Max. 1300 mm	N/A Max. 1000 mm
Backing	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc



Polishing pad	FOX-PLUS Polishing	SWING-PLUS Final polishing	ALUPOL-PLUS Final polishing	MAMBO Final polishing
Material	Flocked universal polishing pad	Flocked universal polishing cloth with very low flock density	Flocked universal polishing cloth with extremely high flock density	Chemically resistant, spongy oxide polishing pad
Typical applications	Good removal rate and superb finishing on all kinds of metals	Polishing pad for superfinishing.	Perfect cross-over pad, for diamond and oxide polishing.	Final finishing with oxide polishing slurries
Typical diamond size	1-15 micron	0.1-6 micron	0.1-3 micron, CMP	CMP
Thickness	0.85 mm	0.7 mm	0.6 mm	1.5 mm
Shore hardness (Shore A)	59 Shore A	88 Shore A	82 Shore A	65 Shore A
Diameter (standard) Diameter (custom)	200/250/300/350 mm Max. 1300 mm	200/250/300/350 mm Max. 700 mm	200/250/300/350 mm Max. 1300mm	200/250/300/350 mm Max. 1300 mm
Backing	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc	Self-adhesive (PSA) Diameter 200/250/300/350 available with metal disc
				

Customer-specific sizes on request.

**Contact**

sales@pureon.com  
www.pureon.com/sales-contacts

**Additional products available**

Pureon not only offers polishing pads but as well high performance diamond suspensions that work best with the corresponding pad. We gladly assist you in selecting the best suited combination of diamond suspension and polishing pad to achieve best process results.

**Packing unit per pad**

5 pieces

## Performance overview Product range polishing pads

