



Highlights

- Highly tailor-made: select any diamond type, grit size and concentration
- Lapping at high process temperatures

Oil-based diamond suspension

O

Diamond slurry type O is an oil-based suspension designed for lapping and polishing of ceramic and metals of medical applications such as ceramic hip balls for example. The specific carrier oil is suitable for high-performance processing at high temperatures, as typically occurs while lapping ceramic components.

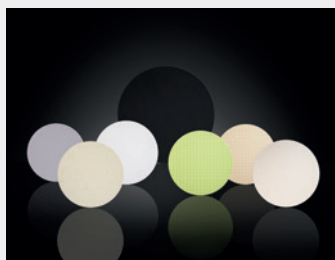
Typical application

lapping and polishing of ceramics and metals for medical applications

Suspension typ	Viscosity	Stability	Remarks
OT-102	200 cP	stabilized	only for diamond size <1micron
O-102	200 cP	stabilized	-



Suspensions are available in customer-tailored formulations in a wide range of viscosities, diamond types, grit sizes and concentrations.



Diamond suspensions are used with various lapping and polishing pads. We are happy to assist you in finding the best suitable products.



Pureon offers a wide range of customized solutions. More information can be found on www.pureon.com/products/overview

Product specifications

Carrier liquid oil-based
 Typical lapping plate metal lapping plate
 Density 0.92 g / cm³

Order information

Order code O-102 / 30 MSY 4 – 6 micron
 Packing Bottles 1ltr, 2.5 ltr, Containers 5 ltr, 10 ltr
 If not specified, 1 liter bottles are filled.
 Units Liter [ltr]

Examples

Suspension type/diamond concentration

Suspension type	Diamond concentration ¹		
	low 15 cts/ltr	medium 30 cts/ltr	high 50 cts/ltr
OT-102	OT-102/15	OT-102/30	OT-102/50
O-102	O-102/15	O-102/30	O-102/50

¹ Other diamond concentrations between 10 and 500 cts/ltr available.

Diamond type / size

Diamond grit size	Polycrystalline diamond ²	Monocrystalline diamond ²
0.25 micron	DP 0.25 – 0.5 micron	MSY 0.25 – 0.5 micron
0.50 micron	DP 0.25 – 0.75 micron	MSY 0.25 – 0.75 micron
1 micron	DP 0.75 – 1.25 micron	MSY 0.75 – 1.25 micron
3 micron	DP 2.5 – 4 micron	MSY 2.5 – 4 micron
6 micron	DP 5.5 – 8 micron	MSY 5.5 – 8 micron
9 micron	DP 8 – 12 micron	MSY 8 – 12 micron
15 micron	DP 10 – 20 micron	MSY 10 – 20 micron
30 micron	DP 20 – 30 micron	MSY 20 – 40 micron

² Other diamond types / sizes available.

Contact

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