



Highlights

- Highly tailor-made: select any diamond type, grit size and concentration
- Free of heavy metals, chlorine and sulfur for medical regulatory compliance

Oil-based diamond suspension

HO

This suspension is formulated to meet requirements of medical applications such as lapping and polishing of orthopedic joints and implants. The carrier oil is free of heavy metals, chlorine and sulfur.

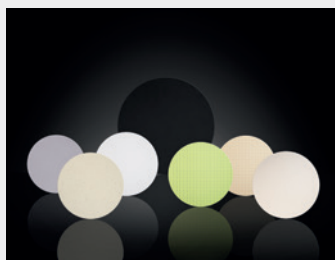
Typical application

lapping and polishing of ceramics and metals for medical applications

Suspension typ	Viscosity	Stability	Remarks
HOT-65	180 cP	stabilized	only for diamond size <1 micron
HO-65	180 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 0.84 g / cm³

Order information

Order code HO – 65 / 30 DP 5.5 – 8 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
HOT – 65	HOT – 65 / 15	HOT – 65 / 30	HOT – 65 / 50
HO – 65	HO – 65 / 15	HO – 65 / 30	HO – 65 / 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

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