PUREON

SPLENDIS universal-use diamond suspensions

Product range

The right SPLENDIS suspension for every application

How to choose the right SPLENDIS product

SPLENDIS O suspensions offer superior lapping and polishing performance. Engineered for use on metal lapping plates, SPLENDIS O is the preferred choice to achieve precision surfaces at the highest material removal rate.

SPLENDIS W is the perfect general-use suspension family. The formulation is designed for use on metal lapping plates as well as on polishing pads. SPLENDIS W diamond slurries achieve excellent surface quality at high performance. Work piece handling and cleaning is easy. All SPLENDIS W products meet highest standards for work safety and are environmentally friendly.

Suspension type	**SPLENDIS O/P** Oil-based diamond suspension, universal use	**SPLENDIS O/M** Oil-based diamond suspension, universal use
Special characteristics	Polycrystalline diamond, oil-based carrier liquid, high removal rate.	Monocrystalline diamond, oil-based carrier liquid, cost-effective.
Carrier liquid	Oil-based	Oil-based
Diamond type	DP polycrystalline diamond powder, precision size range	MSY monocrystalline diamont powder precision size range
Viscosity	30 cP	30 cP
Stability	Stabilized	Stabilized
pH value	N/A	N/A
Health & Eco friendly	-	-
Shelf life	2 years	2 years
Applications	Standard lapping and polishing (made to stock). High-performance lapping and polishing of ultra-hard and hard materials such as sapphire, hard ceramics or corrosion sensitive materials.	Lapping and polishing of various materials, oil-based carrier liquid specially suited for corrosion sensitive materials.

Additional types and sizes for customized specifications can be found on www.puron.com/products/overview

SPLENDIS .../P Polycrystalline diamond features a rough, micro-structured particle surface with numerous contact points between the particle and work piece. It is the first choice for high-performance lapping of very hard materials such as sapphire, ceramics or hard metals, as well as for polishing processes on soft polishing pads.

SPLENDIS .../M Monocrystalline diamond is a popular choice for general lapping and polishing applications. It is widely used for not extremely hard materials such as ceramics, metals, diamond wire dies and gemstones.

SPLENDIS W/P	SPLENDIS W/M
Water-based diamond suspension, universal use	Water-based diamond suspension, universal use
Polycrystalline diamond, water-based carrier liquid, good cleaning properties.	Monocrystalline diamond, water-based carrier liquid, good cleaning properties, cost-effective.
Water-based	Water-based
DP polycrystalline diamond powder, precision size range	MSY monocrystalline diamont powder precision size range
Size < 1 µm = 300 cP/size > 1 µm = 60 cP	Size < 1 µm = 300 cP/size > 1 µm = 60 cP
Stabilized	Stabilized
8.5	8.5
2 years	2 years
Standard lapping and polishing (made to stock). High-performance lapping and polishing of hard and ultra-hard materials, good cleaning properties.	Economic lapping and polishing of various materials, such as metals and ceramics, good cleaning properties.

All information is non-binding and provided for information purposes only. Subject to change without notice.

Order information
SPLENDIS O/P 6 micron
Qty 5 ltr

Packing/ Quantity unit
Bottles 1 ltr/liter (ltr)

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

SPLENDIS universal-use diamond suspensions. Versatile. Ready-to-use. Cost efficient. Made by Pureon. Available from stock.

SPLENDIS Highlights

- Universal-use formulation suits most lapping and polishing applications.
- Suspended diamond abrasive, long shelf life.
- Precision graded diamond, grit sizes from 0.1 to 15 micron.
- Produced by Microdiamant, using first quality, certified ingredients .
- Competitive pricing due to large volume manufacturing.
- Available from stock.

Examples

Suspension type	Size	Order code
SPLENDIS O/P	0.1 micron	SPLENDIS O/P 0.1 micron
Oil-based carrier liquid	0.25 micron	SPLENDIS O/P 0.25 micron
	0.5 micron	SPLENDIS O/P 0.5 micron
Polycrystalline diamond	1 micron	SPLENDIS O/P 1 micron
	3 micron	SPLENDIS O/P 3 micron
	6 micron	SPLENDIS O/P 6 micron
	9 micron	SPLENDIS O/P 9 micron
	15 micron	SPLENDIS O/P 15 micron

Suspension type	Size	Order code
SPLENDIS W/P	0.1 micron	SPLENDIS W/P 0.1 micron
Water-based carrier liquid	0.25 micron	SPLENDIS W/P 0.25 micron
	0.5 micron	SPLENDIS W/P 0.5 micron
Polycrystalline diamond	1 micron	SPLENDIS W/P 1 micron
	3 micron	SPLENDIS W/P 3 micron
	6 micron	SPLENDIS W/P 6 micron
	9 micron	SPLENDIS W/P 9 micron
	15 micron	SPLENDIS W/P 15 micron

Suspension type	Size	Order code
SPLENDIS O/M	0.1 micron	SPLENDIS O/M 0.1 micron
Oil-based carrier liquid	0.25 micron	SPLENDIS O/M 0.25 micron
	0.5 micron	SPLENDIS O/M 0.5 micron
Monocrystalline diamond	1 micron	SPLENDIS O/M 1 micron
	3 micron	SPLENDIS O/M 3 micron
	6 micron	SPLENDIS O/M 6 micron
	9 micron	SPLENDIS O/M 9 micron
	15 micron	SPLENDIS O/M 15 micron

Suspension type	Size	Order code
SPLENDIS W/M	0.1 micron	SPLENDIS W/M 0.1 micron
Water-based carrier liquid	0.25 micron	SPLENDIS W/M 0.25 micron
	0.5 micron	SPLENDIS W/M 0.5 micron
Monocrystalline diamond	1 micron	SPLENDIS W/M 1 micron
	3 micron	SPLENDIS W/M 3 micron
	6 micron	SPLENDIS W/M 6 micron
	9 micron	SPLENDIS W/M 9 micron
	15 micron	SPLENDIS W/M 15 micron

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