

SUPAPLEAT PLUS INK

Absolute Rated Hybrid Pleated Depth



The SupaPleat Plus Ink range has been developed through close collaboration with manufacturers of bulk Digital Ink.

When used in conjunction with SupaSpun Depth and SupaPore Pleated products it provides a comprehensive solution for all ink formulations.

As these formulations become more complex and specifications on cleanliness increase to prevent blockage of modern print heads, the demands on filtration performance has never been greater.

The new SupaPleat Plus Ink range combines highly efficient removal of microgels and defined dispersion classification with high flow rates and low pressure drops.

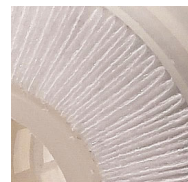
This is achieved through a hybrid construction of pleated and depth technology in the same filter. Nine different media configurations including PP/GF combinations ensure a cost-effective solution is available for every ink formulation.

Manufacturing Solvent based inks?

Why not look at the SupaClean range of housings to enhance operator safety and reduce production costs due to frequent colour and formulation changeouts.

Want to test before you buy?

Amazon can provide the full range of SupaPleat Plus Ink filters in small scale format suitable for filterability testing on sample volumes as low as 200ml.



SupaPleat Standard



SupaPleat Plus Ink Hybrid Construction



Product Features

- High-loft meltblown depth media provides superior retention of gels that can block fine nozzles on print head
- Multi layered media of varying efficiency provides excellent dispersion classification, maximising colour intensity
- Rigid open pleat configuration maximises flow and throughput on more viscous inks to lower consumable costs
- Absolute filter ratings provide a guarantee of ink quality to maximise print head performance
- Available in small scale format for laboratory trials

Applications

- Aqueous, Solvent and UV based pigmented inks
- For more information on specific performance on UV based inks, refer to Application Note AN001

AMAZON

SupaPleat Plus Ink Technical Data

| Dimensions | Per 10" |
|------------------------------------|--|
| Outside Diameter: | 66mm |
| Core Diameter: | 27mm |
| Typical Surface Area: (per 10") | 03XB: 0.20m ² 03DB: 0.18m ² |

Maximum Operating Conditions

Temperature: 80°C

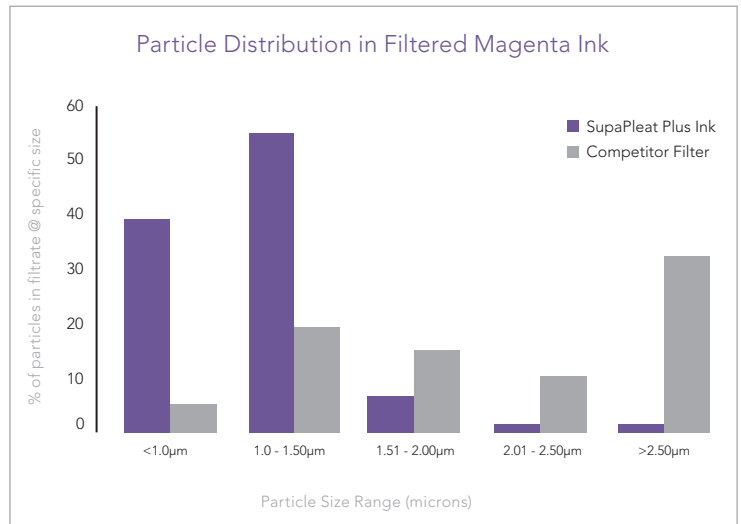
Recommended change-out
differential pressure: 2.5 Bar @ 20°C

| Maximum ΔP | X Media PP Core | D Media PP Core |
|------------|--------------------|--------------------|
| @ 20°C | 4.0 | 4.0 |
| @ 50°C | 1.5 | 1.5 |
| @ 80°C | 0.25 | 0.25 |

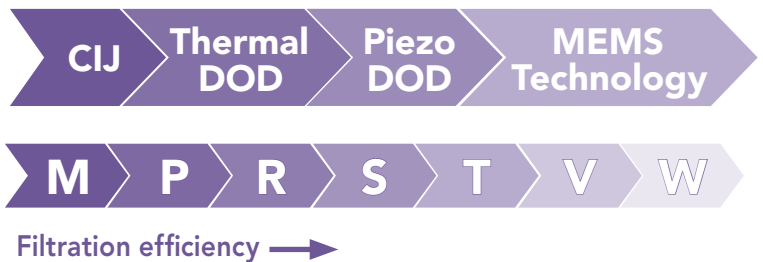
Product validation guide available on request.

Product Selection

Experience has shown that micron rating assigned to filters based on standard methods such as ACFTD test dust do not correlate well with retention characteristics in complex ink systems. For this reason Amazon Filters have assigned grades linked to the generic ink quality requirements of various print-head technologies. These can be used as a starting point for filter evaluation.



The SupaPleat Plus Ink filter exhibits the much sharper particle cut off required for good dispersion classification.



Ordering Guide

| 03 | B | 00T - | 20 | 3 | E | A |
|---|---|--|---|--|---|------------|
| Media | Core/Assembly | Grade | Length | End Caps | Seal | Branding |
| 03X - Hybrid Polypropylene | B - PP Core, PP Single Piece Hard Cage P - PP Core, PP extruded cage | 00V 00T 00S 00R 00P 00M | 01* - 25mm 09 - 250 10 - 255 20 - 505 30 - 763 40 - 1017 | A - Code A S - Code S 0 - Code 0 2 - Code 2 3 - Code 3 4 - Code 4 7 - Code 7 8 - Code 8 | B - Buna E - EPDM F - FEP / Silicone (SOE only) S - Silicone V - Viton | A - Amazon |
| 03D - Hybrid Polypropylene and Glass microfibre | | 00W 00V 00S | | | | |

Example: 03XB00T-203EA = Polypropylene media and core with polypropylene single piece hard cage, media grade T, double length (20"), code 3 connections with EPDM seal.
*01 Version supplied with code 'P' extruded cage

AMAZON FILTERS LTD.

Albany Park Estate, Camberley, Surrey, GU16 7PG, ENGLAND

Tel: +44 (0) 1276 670 600 Email: sales@amazonfilters.co.uk Web: www.amazonfilters.com

SupaPleat is a trademark of Amazon Filters Ltd.

AMAZON FILTERS LTD. reserve the right to change specification without prior notice, as part of their continuous product development programme.

03SPPI-Issue 02