

COATS
ultrabloc sy



SUPER ABSORBENT
POLYMER

Coats® Ultrabloc™ SY

Coats Ultrabloc SY is a spun super-absorbent polymer thread that is ideal for dry blocking in wire & cable products. It is proven in temperature cycling, heat ageing and freeze/thaw testing.

Ultrabloc SY is carefully manufactured on state-of-the-art spinning equipment to ensure a smooth and consistent surface. This method of manufacture also prevents micro or macrobending. Its uncoated finish helps to reduce shedding or dusting during cable manufacturing, which improves productivity.

WHY CHOOSE ULTRABLOC SY?

- Decreases cable prep time
- Eliminates the need for potentially hazardous solvents
- Less consumable materials are required
- Cleaner work environment
- Improved life span of equipment

MAIN USES:

- Low, medium or high voltage energy cables
- Fibre optic dry cable applications

PRODUCT RANGE

Product	Length KM	Weight g/m	dtex	Denier	Strength KG	LB	N	Elongation at break %	Absorption Speed* g/g/min	Absorption Capacity** g/g
Ultrabloc SY 450	20	0.05	500	450	0.67	1.50	7	≥10	20	100
Ultrabloc SY 600	30	0.07	660	600	0.90	2.03	9	≥10	20	100
Ultrabloc SY 725	75	0.07	720	725	1.30	2.93	13	≥10	20	100
Ultrabloc SY 1800	14	0.20	2000	1800	4.00	9.00	40	≥ 15	20	≥ 70
Ultrabloc SY 1800	25	0.20	2000	1800	4.00	9.00	40	≥ 15	≥ 40	≥ 70
Ultrabloc SY 4500	8.4	0.50	5000	4500	8.50	19.13	85	≥ 15	≥ 40	≥ 70
Ultrabloc SY 9000	4.2	1.00	10000	9000	15.00	33.75	150	≥ 15	≥ 40	≥ 70
Ultrabloc SY 9000	5	1.00	10000	9000	15.00	33.75	150	≥ 15	≥ 40	≥ 70
Ultrabloc SY 18000	2.5	2.00	20000	18000	40.00	90.00	400	≥ 15	≥ 40	≥ 70
Ultrabloc SY C 18000	2.5	2.00	20000	18000	40.00	90.00	400	≥ 15	≥ 40	≥ 70
Ultrabloc SY 36000	1.25	4.00	40000	36000	50.00	112.50	500	≥ 15	≥ 40	≥ 70
Ultrabloc SY 54000	0.85	6.00	60000	54000	50.00	112.50	500	≥ 15	≥ 40	≥ 70

*Absorption Speed: Internal QSP 7.74
**Absorption Capacity: Internal QSP 7.75



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WHAT SETS ULTRABLOC SY APART FROM COMPETITOR PRODUCTS?

In relation to other products on the market, Ultrabloc SY showcased:



faster swelling power



more swelling capacity



more strength

WHAT IT MEANS...

Ultrabloc SY absorbs water at a speed **2 – 3 times** faster than competitor products, providing optimum protection from the elements.

When compared to competitor products in the market, Ultrabloc SY was proven to be the best fibre in terms of:



Absorption Speed



Absorption Capacity



Tensile Strength

Best suited for low, medium or high voltage energy cables and fibre optic dry cable applications.



SUPER ABSORBENT POLYMER

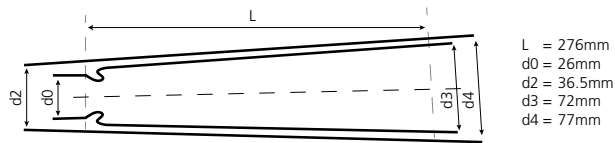
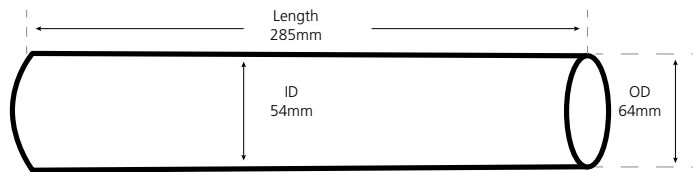
Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2019



Coats® Ultrabloc™ SY



PACKAGING OPTIONS



EXPERT REAL WORLD SUPPORT

The final cost of any product also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From product selection to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From product audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com/ultrabloc-sy

