



Typar[®] D

Engineered filters for composite drains

Property	Standard	Unit	D68	D90	D100	D110	D125	D136	D190
Descriptive properties									
Area Weight	EN ISO 9864	g/m ²	68	90	100	110	125	136	190
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.35	0.39	0.41	0.43	0.45	0.47	0.57
Thickness under 200kN/m ²	EN ISO 9863-1	mm	0.28	0.31	0.34	0.35	0.37	0.39	0.48
Hydraulic properties									
Opening size O90W	EN ISO 12956	µm	225	175	150	140	130	120	80
Flow rate at 10cm WH	BS 6906-3	l/(m ² *s)	240	175	150	110	80	75	60
Velocity index VIH50	EN ISO 11058	mm/s	180	100	80	70	50	50	35
Water resistance	EN 13562	mm	0	0	0	0	0	0	0
Mechanical properties									
Strength at 5%	EN ISO 10319	kN/m	1.8	2.6	3.0	3.3	3.5	3.8	5.5
Energy absorption	EN ISO 10319	kJ/m ²	1.0	1.8	2.0	3.0	3.6	3.7	6
Tensile strength	EN ISO 10319	kN/m	3.5	5.5	6.6	7.0	8.5	9.0	13.1
Elongation	EN ISO 10319	%	35	50	50	45	52	52	52
Puncture CBR	EN ISO 12236	N	500	750	950	1000	1200	1250	1850
Dynamic cone puncture	EN ISO 13433	mm	50	45	40	35	33	29	22

The values correspond to average results obtained in our laboratories and outside institutes and are indicative. The right is reserved to make changes at any time without notice.

Durability

Predicted to be durable for a minimum of 100 years in all natural soils.

Natural UV light	Good resistance up to several months in direct sunlight, but prolonged exposure, particularly in tropical sunlight, can cause strength losses. Product should be covered after 2 weeks of installation.
Natural occurring acids and alkali	Unaffected
Oxydation resistance EN ISO 13438	100% retained strength
Chemical resistance EN 14030	100% retained strength
Microbiological resistance EN 12225	100% retained strength

Product Description

• Polymer	100% Polypropylene. UV stabilized
• Specific gravity	0.91
• Melting point	165°C
• Type of fibre	Continuous filament
• Fibre diameter	40/60 µm
• Fibre bonding	Thermal bonding

* Customised styles, such as different UV stabilisation, different colours, different mechanical properties are available on request.

Further product information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own testing. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

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