



POLIRAN

Drip-Tape

with Turbo Flat Dripper



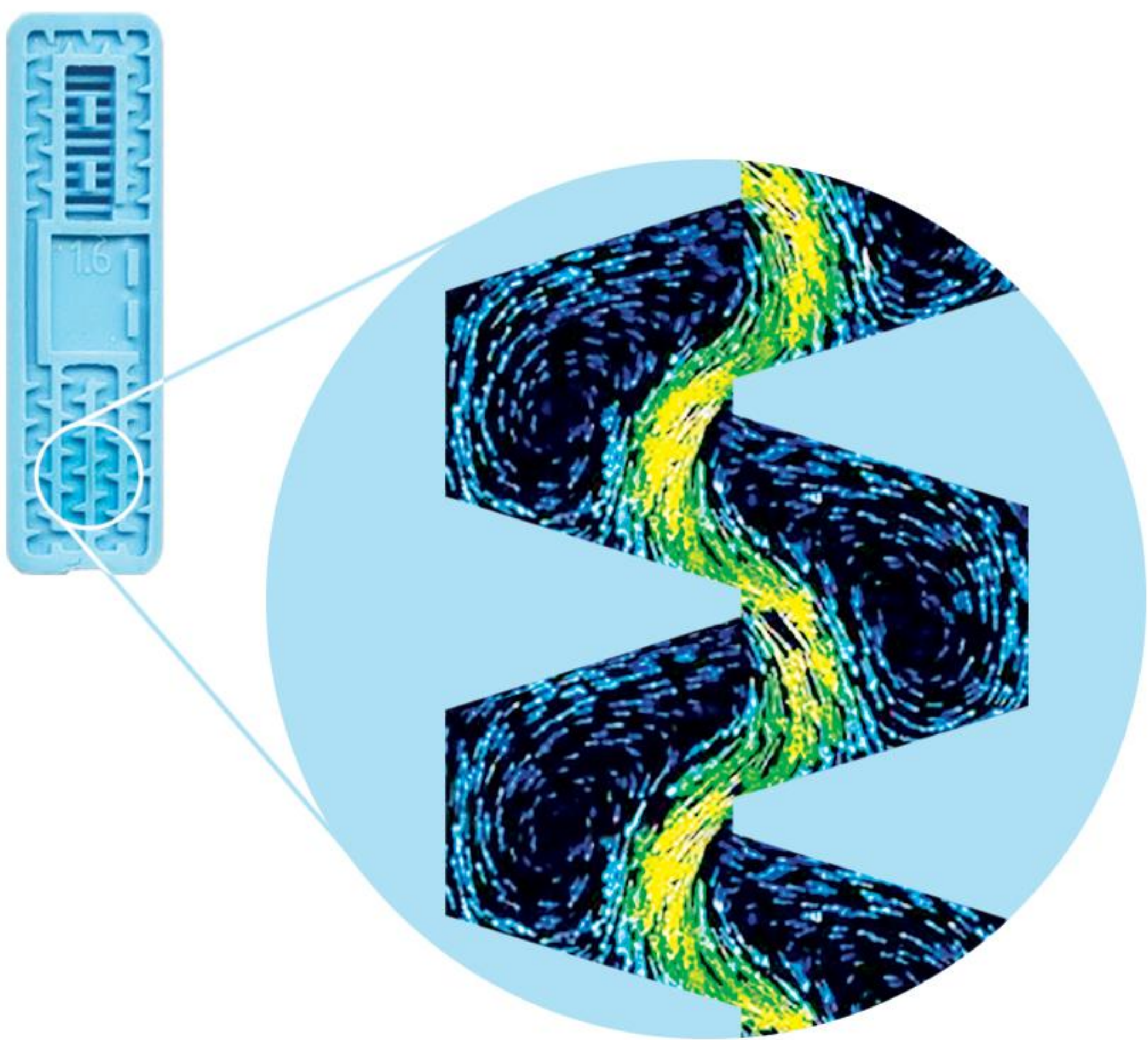
100% Virgin Raw Material

Poliran Drip-Tape with Turbo Flat Drippers

Poliran produces high-quality drip-tape using the best raw materials through its advanced high speed manufacturing lines (250 meter/minute). They are available in two sizes: 16 mm and 22 mm. The wall thickness can be adjusted from 160 to 450μ. The manufacturing lines' excellent accuracy and specially designed drippers result in a drip-tape that can be used in long lateral installations with lengths above the normal and acceptable coefficient of variation (CV). Unique and precisely designed dripper production; The proper shape of the labyrinth, which is created with precision and certain spacing, causes the formation of two turbulent flows. This double flow combines rapid central flow with cyclone turbulence causes constant self-cleaning preventing particles into the system and ensure the uniform distribution of water through extended lateral lines. These advantages make it possible to establish extensive irrigation units covering 3-4 hectares that managing the land and controlling the farm will be enhanced.

Features

- Utilizing Turbo flat drippers with excellent CV and low exponent (x)
- Excellent uniformity of water emission in long length laterals (above 85%), which enhances yield per unit
- The world's best anti-clogging dripper, generating dual turbulent flows within its drippers, continuously self-cleaning
- Possibility of use in long lengths of laterals to reduce the mainline of irrigation system on the farm
- Utilizing the best and highest-quality virgin raw materials in product manufacturing for precise and long-term functionality
- Resistant to acids and common agricultural chemicals
- The best choice for row crops and seasonal application
- UV resistant



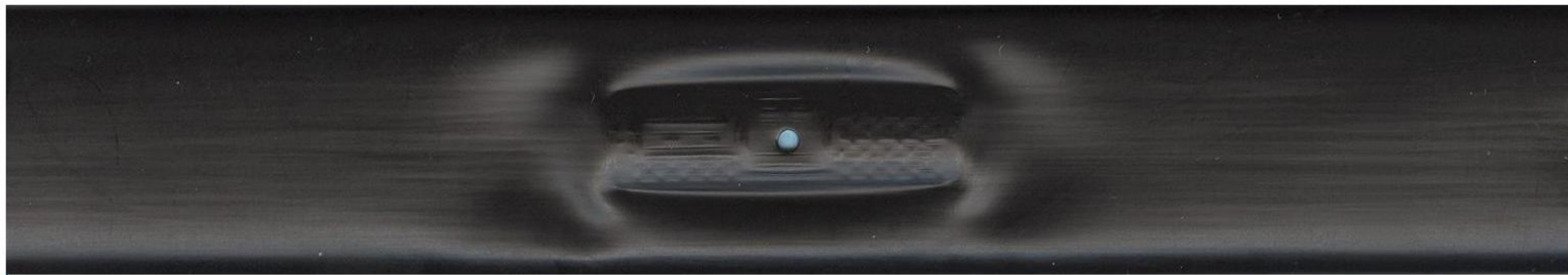
Fast central flow

Cyclone turbulence, self-cleaning flow

Specification

Diameter (mm)	16.1 - 22.2 - 25 - 28.5				
Thickness (micron)	160-450				
Standard Spacing(cm)	10, 15, 20, 25, 30, 33, 40, 50, 60, 75, 80, 90, 100				
Favorite Spacing	On Request				
Flow Rate (l/h)	0.8	1.3	1.6	2.5	3.8
Coefficient of Variation	2.5	1.1	1.25	2	2
Exponent	0.49	0.5	0.5	0.5	0.5
Recommended Filtration	120 mesh / 130 micron				

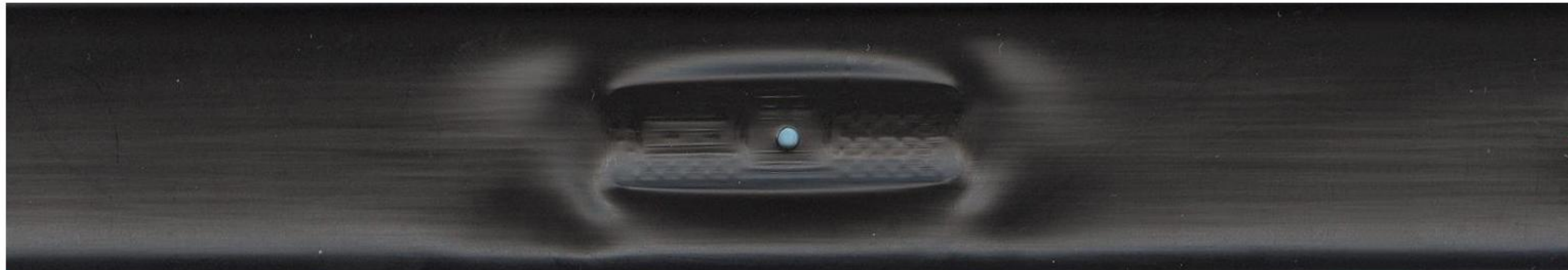




16 mm

Thickness: 160 micron

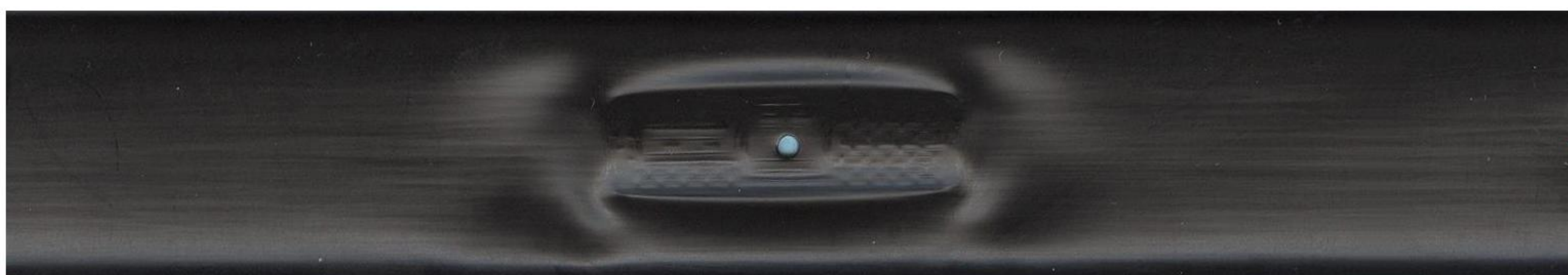
Available in different flow rates and favorite spacing on request.



16 mm

Thickness: 175 micron

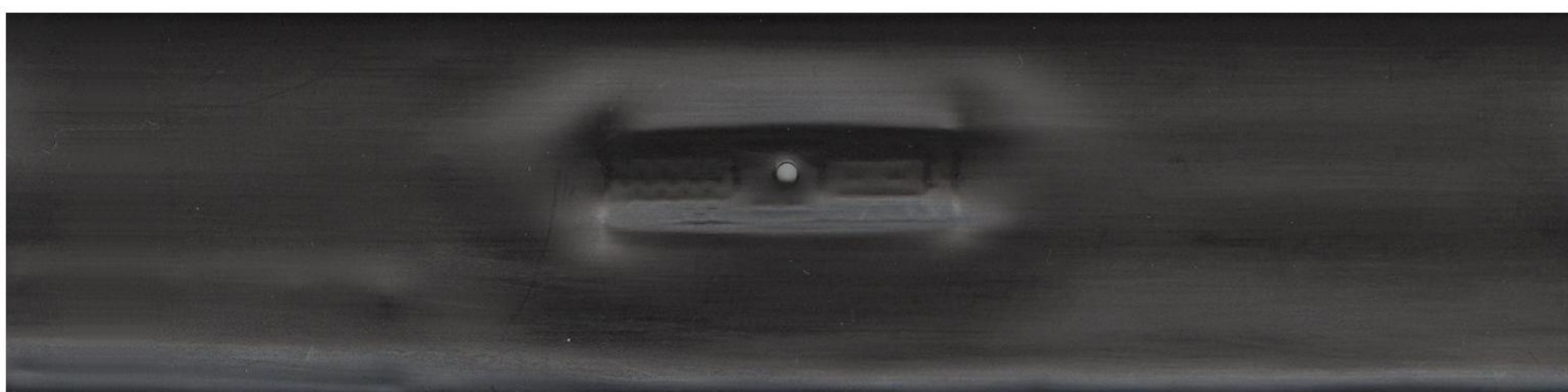
Available in different flow rates and favorite spacing on request.



16 mm

Thickness: 200 micron

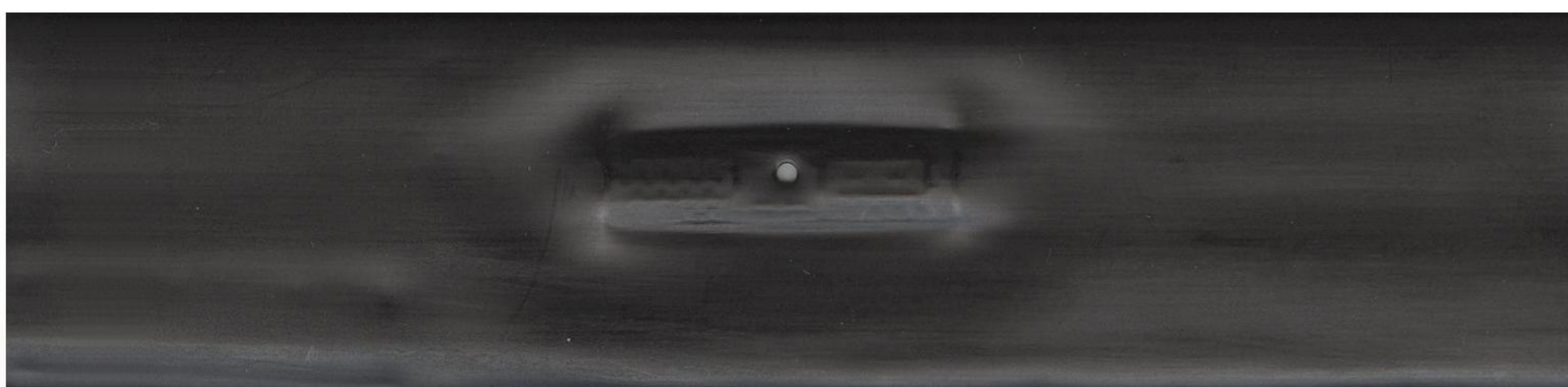
Available in different flow rates and favorite spacing on request.



22 mm

Thickness: 175 micron

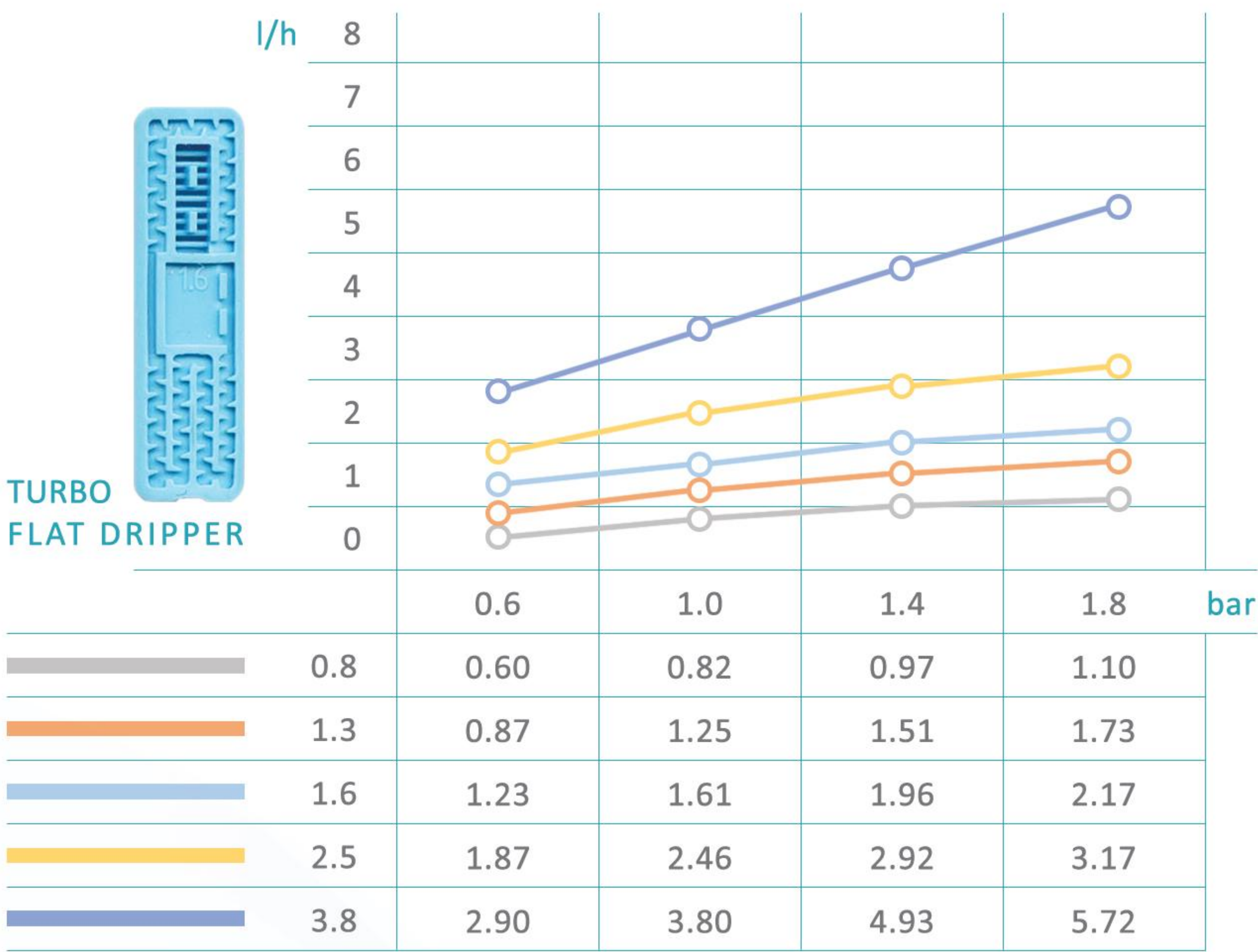
Available in different flow rates and favorite spacing on request.



22 mm

Thickness: 200 micron

Available in different flow rates and favorite spacing on request.



Maximum recommended POLIRAN drip-tape length on flat terrain

Diameter (mm)	Flow Rate (l/h)	Dripper Spacing (cm)												
		10	15	20	25	30	33	40	50	60	75	80	90	100
16.1	0.8	101	137	170	200	227	243	278	324	366	426	445	481	516
	1.3	74	100	124	146	166	178	203	237	268	311	326	352	378
	1.6	64	88	108	127	145	155	177	207	234	272	284	308	330
	2.5	49	67	83	98	111	119	136	159	179	209	218	236	253
	3.8	36	50	62	72	82	88	101	118	133	155	162	175	188
22.2	0.8	166	229	285	337	385	412	472	553	627	731	763	827	888
	1.3	121	167	208	246	281	301	346	404	459	535	558	605	650
	1.6	106	146	182	215	245	263	302	353	401	467	488	528	568
	2.5	81	112	139	165	188	202	232	271	307	359	374	406	436
	3.8	60	83	103	122	139	149	172	201	228	266	278	301	323

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