



FLEXIBLE PACKAGING



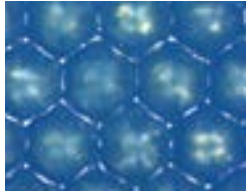
LPI	L/cm	EFlo™	ThermaFlo™
50	20		33.8 - 45.0
65	26	36.5 - 48.6	28.1 - 37.4
80	31	31.4 - 41.9	22.8 - 30.4
100	39	26.0 - 33.3	18.2 - 24.3
120	47	24.0 - 31.5	15.2 - 20.3
140	55	21.5 - 28.8	13.0 - 17.4
150	59	18.5 - 25.6	12.5 - 16.7
165	65	17.1 - 22.8	10.4 - 13.9
180	71	15.0 - 20.0	9.5 - 12.7
200	79	12.6 - 16.8	8.3 - 11.0
220	87	10.8 - 14.4	7.7 - 10.3
250	98	8.4 - 11.2	7.2 - 9.6
280	110	7.9 - 10.5	6.3 - 8.4
300	118	7.3 - 9.8	5.3 - 7.1
330	130	7.1 - 9.4	5.0 - 6.6
360	142	6.3 - 8.4	4.4 - 5.8
400	157	5.6 - 7.4	4.0 - 5.3
440	173	4.8 - 6.4	3.8 - 5.0
500	197	4.1 - 5.4	3.2 - 4.3
550	217	3.8 - 5.1	2.9 - 3.8
600	236	3.5 - 4.7	2.5 - 3.3
660	260	3.2 - 4.2	2.3 - 3.0
700	275	2.9 - 3.9	2.1 - 2.8
800	315	2.4 - 3.2	1.9 - 2.6
900	354	2.2 - 2.9	1.7 - 2.3
1000	394	2.0 - 2.6	1.4 - 1.9
1100	433	1.8 - 2.4	1.3 - 1.7
1200	472	1.6 - 2.2	1.1 - 1.5
1300	512	1.4 - 1.9	1.0 - 1.3
1400	551	1.3 - 1.7	.9 - 1.2
1500	591	1.2 - 1.5	.8 - 1.1



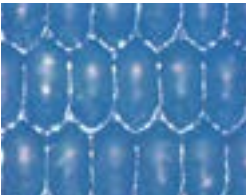
Engineered for Performance...

Superior Engraving Quality

THERMAFLO™



EFLO™



- Consistent engraving quality from solid-state, fiber-optic lasers utilizing multi-beam technology
- Ceramic coating application is industry specific to maximize surface hardness and anilox durability
- Engravings are produced with the shallowest, flattest bottoms possible for improved ink transfer
- Smooth cell walls resist premature wear and scoring, and increases doctor blade life
- EFLO™ engravings offer maximum ink transfer for greater densities and printing of a wide range of graphics

Cutting Edge Technology



Pamarco continues to invest in the latest technologies, and it is our company aim to be at the forefront of any technological advancement within our industry. The new MBA multiple beam lasers enable us to engrave cells with a smoother wall and surface, which provides greater ink release and aids cleaning. These new lasers are installed in our European and North American sites.

Pamarco utilizes industry specific ceramic coating technology to optimize the durability and performance of our laser engraved rolls. We have invested in technology specifically engineered for ceramic coating of anilox sleeves as well as wide and narrow web cylinders. In addition, every sleeve and cylinder is protected against corrosion and blistering by a plasma sprayed, nickel plated, or welded stainless steel layer prior to ceramic coating.

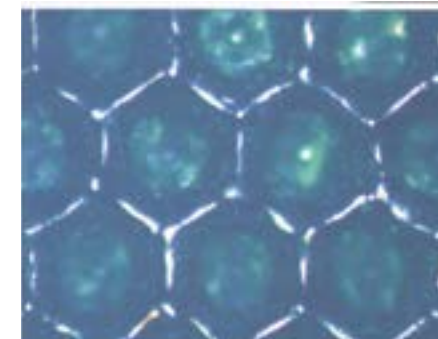


Post Engraving Polish

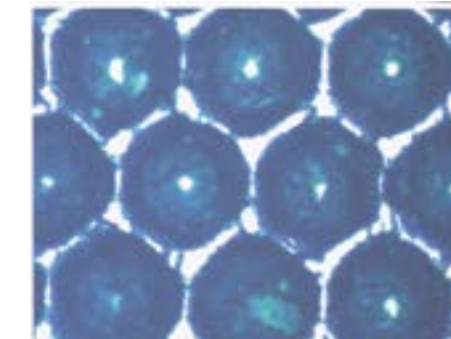
Pamarco has developed a process to produce smooth, polished cell walls after the engraving process. Each roll is engraved to a higher volume than specified and machine diamond film polished back to target. This polishing process produces a roll surface that is flat and smooth and resistant to pre-mature wear and scoring. This process also improves ink metering and reduces doctor blade wear. Tight volume tolerances can be maintained. Cell volume selection in the recommended range is suggested for maximum results.



As Engraved



After Polishing



CellBase Inspection



Your Guarantee of Consistency!

Our inspection method is the world's most advanced cell measurement and inspection technology, and includes the following features:

- Customer-specific standard engraving is developed and recorded.
- Subsequent rolls ("actual") are compared to the pre-determined, customer-specific roll ("standard").
- Photographic pictorial included to ensure consistency.
- Anilox roll audits are evaluated and reports produced using CellBase technology.