

FLEXIBLE PACKAGING

FlexiLam™ ST5

FLEXILAM ST5 IS A VERSATILE HIGH PERFORMANCE, NITROCELLULOSE - URETHANE LAMINATING INK SYSTEM.

FlexiLam™ ST5

FlexiLam™ ST5 is a versatile high performance, nitrocellulose-urethane laminating ink system. It is designed to perform on a wide variety of films by adhesive or extrusion lamination. The system performs well in snack food packaging, stand-up pouches, food packaging and many other laminated packages. When paired with our patent pending FlexiBase™ HDP bases, high speed and high definition printing can be achieved.

Suitable Applications

- Snack food packaging
- Stand-up pouches
- Food packaging
- Many other laminated packages

| Attributes | Benefits |
|--|---|
| <ul style="list-style-type: none">• Versatile lamination ink | <ul style="list-style-type: none">• Compatibility with a wide variety of substrates exhibiting good initial bond strengths and strong bonds after second heat processes |
| <ul style="list-style-type: none">• Excellent printing properties | <ul style="list-style-type: none">• Proven winner in the field and developed for easier transitions and has excellent line and combo printing properties with high colour densities |
| <ul style="list-style-type: none">• Mint oil resistant | <ul style="list-style-type: none">• Used in packages that require product resistance, like mint oils |
| <ul style="list-style-type: none">• Compatible with nitrocellulose based inks | <ul style="list-style-type: none">• Able to utilize all Flint's Nitro Dispersion line including FlexiBase™HDP bases |
| <ul style="list-style-type: none">• Very good solvent release, low retained solvents | <ul style="list-style-type: none">• Block resistant |

Availability

- Commercially available
- Lead time 10 days (3 days stock item with approval)
- FlexiLam™ ST5 inks are available in a full range of standard and specialty colours.
- Methyl violet and rhodamine, though available colours are subject to reduced shelf life, bleed and colour drift on aging. Once on site, it is difficult to isolate them in the recycle chain.

*Continued on next page

FlexiLam™ ST5

Availability Continued:

- Outdoor, lightfast and microwave applications require special pigment selection. Consult your Flint Group representative for a specific recommendation.
- Fluorescent colours are special order. They may require special handling and considerations, including reduced shelf life, slower press speeds, special handling to avoid blocking in rolls, may result in lower bonds and fade in use.
- Metallic's are also special order and may require special handling and considerations, including reduced shelf life, additional drying to avoid picking and GC retention, reduced bonds and special disposal procedures.

Colour Matching

Available as mono-pigmented finished inks, matched finished inks or for blending on site.

All base/vehicle ratios must be maintained as:

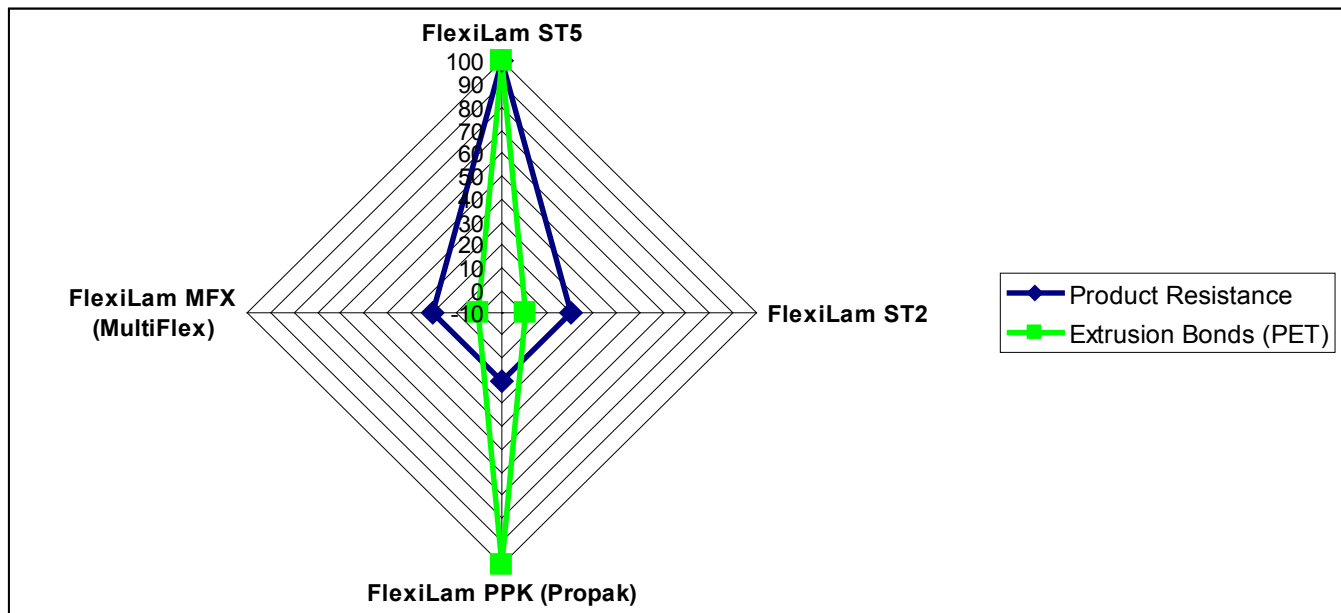
Flexo Line & Process

FlexiLam ST5 Vehicle 40% min

FlexiBase™ HDP Bases 60%

- FlexiLam ST5 Extender is then used to reduce colour as required
- Process aniloxes are typically 600 - 1000 with less than 2.5 bcm
- Line aniloxes are typically 550- 700 with volumes 3.0 – 5.0 bcm
- Above information is approximate guideline only

Use of process inks for higher volume aniloxes (then mentioned above) may result in retained solvents, odours, poor adhesion, poor end use properties, slow press speeds and other drying related issues.



For more details on FlexiLam™ ST5, call your nearest Flint Group office or dealer.

Flint Group
15500 28th Avenue North,
Plymouth, MN 55447, USA
www.flintgrp.com

T +1 763 559 5911
Toll Free in the U.S.(800) 328 7838
F +1 763 559 3725
info.packaginginks@flintgrp.com

The aim of our technical documents is to inform our customers about general values. However, the transferability of general values known from experience and laboratory results to concrete practical applications depends on a number of factors which are beyond our control. We therefore ask for your understanding that this advice document cannot be used as the basis for claims in law. Furthermore, the correct application for each product has to be checked carefully for suitability. For application details refer to Technical Data Sheet. Product names followed by ® are trademarks registered by Flint Group Incorporated.