Fimor SERIGRAPHY

FT/SRL/LC/GB/201903

Technical Data Sheet

serilor®LC

Value squeegee line

FIMOR has developed a new polyurethane formulation to achieve performance at an attractive price. Available in a limited range of dimensions/hardness combinations, **serilor®LC** is the right choice for non critical applications ranging from textile to graphic printing. With the new **serilor®LC**, why settle for an unknown brand when you can get the quality and consistency of a leading manufacturer.

serilor®LC blades are manufactured with a centrifugation process to avoid bubbles and craters in the material and to bring optimal homogeneity to the compound, even at the core of the material and after grinding. Our exclusive computer controlled casting process guarantees batch to batch consistency.

ADVANTAGES :

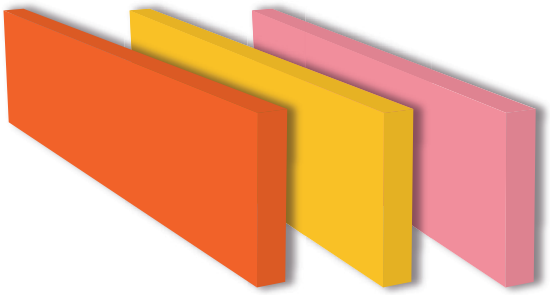
- Competitively priced
- Non-compromising performances
- Easy sharpening
- Color coded for quick identification

APPLICATIONS :

- Textile printing
- Graphics multi-purpose
- Ideal for use with less aggressive solvents

serilor®LC1 - Mono layer

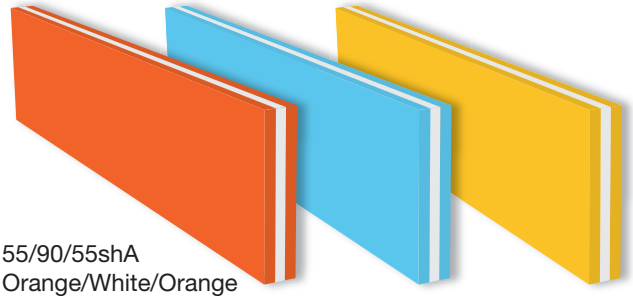
standard references



60shA Orange 70shA Yellow 80shA Pink

serilor®LC3 - Triple layer

standard references

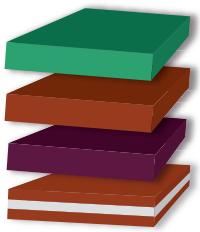


55/90/55shA Orange/White/Orange

62/90/62shA Blue/White/Blue

70/90/70shA Yellow/White/Yellow

Additional "special order" references available with 30 roll minimum quantity



65shA Green

75shA Brown

85shA Purple

75/90/75shA Brown/White/Brown

Particularly effective when high speed automatic printing equipment is used, **serilor®LC3** has a 90shA hard center layer for support, ideal for fine lines and halftone printing. Using Triple durometer squeegees will extend your squeegee life, help prevent dot gain, and generate immediate savings on ink and other consumable through better control of the squeegee pressure.

Standard Dimensions: 50x9,2mm / 2"x3/8"

Standard Profiles:
P0: Straight Square Edge

Other dimensions, profiles, colors or squeegee durometers by special request.

SPECIFICATIONS		TOLERANCES
Length	3660mm /12 Ft	≥ 3640mm
Width	50mm (2")	+1 / -2mm
Thickness	9.2 mm (approx. 3/8")	+0.4 / -0.4mm
Hardness	Printed range of durometers	± 5 shA
Triple layer	same values as single layer squeegees above, with a 90sh center	
Marking	**serilor®LC** Code (hardness) Date batch N°	

INSTRUCTIONS

In general softer grades (65sh) are used for increased ink deposits and high coverage printing. Harder grades (85sh) are used for reduced deposits, notably when printing UV inks for fine texts and higher line counts.
Do not apply excessive pressure on squeegees as this makes your ink deposit heavy, uncontrollable and creates excessive wear. It is recommended that your squeegee slightly exceeds the printed image in size. Make certain to leave significant free space between both ends of your squeegee and the inside of your frame.

Gently insert the squeegee in a machine or hand holder. Use appropriate squeegee thickness to avoid forcing the blade in the holder.
If the holder construction allows for it, regularly change the printing side of the squeegee to minimise the effect of bending with speed and pressure. Rotate your squeegee: do not wait until mechanical & chemical wear permanently bends back your blade to replace it by a fresh one and allowing it to relax, flat, for up to 24 hours.

• CLEANING
Remove excess of ink with a cardboard or a soft cloth. Wash blade with a cloth saturated with appropriate cleaning chemicals.
Avoid the use of aggressive chemicals, in particular ink thinners. Let the squeegee rest and the chemicals evaporate before re-use or sharpening.

• SHARPENING
serilor®LC squeegee blades can be sharpened by all methods commonly used in the screen printing industry (Fimor offers an extensive range of diamond wheel sharpeners, please contact us for more information).
- Belt grinders
- Wheel sharpeners
- Knife cutting machines

Sharpen dry squeegees only. Never allow a squeegee with solvents to be sharpened and don't wash a hot, freshly sharpened blade with chemicals. Do not try to grind excessive material in one pass.
Precision printing requires a preventive sharpening to accomodate the squeegee edge to the holder shape.

• STORING / SHELF LIFE
For all medium or long term storage, blades must be kept flat, unrolled, especially prior to use. Store in a dry cool place away from any direct source of light. If the squeegee is exposed to extreme temperature and humidity conditions, its hardness characteristics may be altered.

PHYSICAL AND CHEMICAL SPECIFICATIONS *(for 75 shA LC grade)*

PROPERTIES	UNITS	NORMS	VALUES
Shore hardness at 20°C	shA	DIN53505	75
Tensile modulus at 100% elongation	MPa	DIN53504	3.0
Tensile modulus at 100% elongation	MPa	DIN53504	4.1
Tensile modulus at 300% elongation	MPa	DIN53504	5.1
Tensile strength	MPa	DIN53504	30.4
Tensile strain at break	%	DIN53504	1170
Tear resistance (non initiated tear)	KN/m	DIN53515	50.6
Tear resistance (initiated tear)	KN/m	DIN53515	20.9
Abrasion loss	mm3	DIN53516	25
DRC (25% of crushing during 22 hours at 70°C)	%	DIN53517	35
Working temperature	°C		-10/+60
Storage temperature	°C		+15/+25

DISTRIBUTOR

Système de management ISO 9001:2015 ISO 14001:2015 TÜVRheinland CERTIFIÉ www.tuv.com ID 9105022410

MADE IN FRANCE

www.fimor-serigraphy.com

FIMOR LE MANS
210 rue du Polygone - F - 72058 - LE MANS
Tel: + 33 (0)2 43 40 66 00
Fax: + 33 (0)2 43 40 00 95
email: serilor@fimor.fr

FIMOR NORTH AMERICA
50 Grandview Court, Cheshire, CT 06410, USA
Tel: + (1) 203 272 3219
email: us.sales@fimor.fr

FIMOR CHINA FOSHAN OFFICE
Ph : (+86) -757-2291-6619
email : fimorchina@163.com