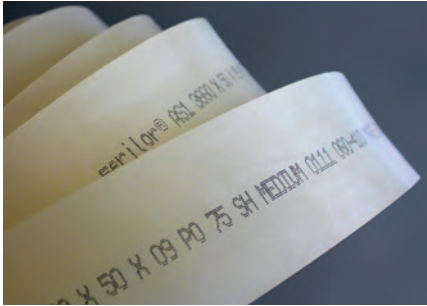




serilor® AS : ANTI-STATIC SQUEEGEE



serilor® AS, a special polyurethane blade helps to reduce static problems in screenprinting. Derived from High Resistant HR blade, **serilor® AS** squeegee is charged with a conductive additive specially formulated to improve electrical conductivity in PU.

Advantages:

- Maximum resistance to chemicals
- Maximum resistance to abrasion
- High environment stability (temperature, humidity)
- Easy to sharpen
- Individual package protects from light and dust
- Individual batch and reference ink jet marking on blade
- High test inspection for aspect defects
- **Up to 2500X more conductive than standard HR blades (TEST FIMOR)**

Applications:

- Plastic substrates
- Graphic specialities (electronics, industrial etc....)
- Object / Container printing

Marking: serilor® AS length X width X thickness Profile hardness [batch N°] MADE IN FRANCE

Standard hardnesses :



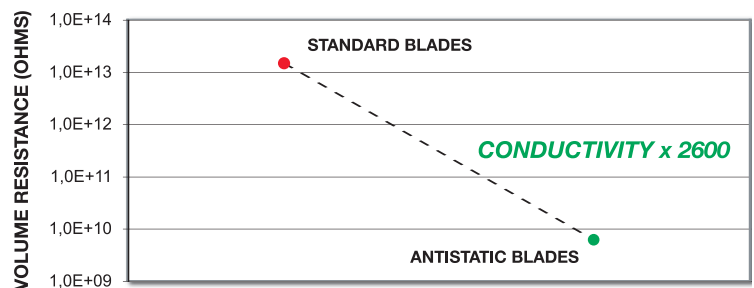
soft 65shA Neutral
medium 75shA Neutral
hard 85shA Neutral

60,70,80,90 and other durometers are available as specials.

Available in neutral color only.

serilor® AS is not a stock item :
minimum quantities applied.

Used in conjunction with antistatic Mesh and/or special ink additives **serilor® AS** will contribute to reduce your static problems.

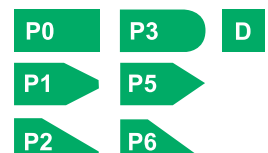


| Specifications : | | Tolerances : |
|------------------|-----------------|--|
| Length : | 3660 mm / 12 ft | ≥ 3640 mm |
| Width : | < 50 mm | ±1,0 mm |
| | ≥ 50 mm | +1 / -2 mm |
| Thickness : | 4 - 12 mm | +0,4mm / -0,4mm |
| Hardness : | 60 to 90 shA | ±3 shA <small>no more than 2 shA between the 2 sides of a squeegee</small> |

Standard Profiles:

P0: Straight Square Edge
P1: Double Bevel + Flat land
60° angle + 1mm flat (±0,5mm)
P2: Single bevel + flat land 45°
angle + 1mm flat (±0,5mm)

P3: Round angle
P5: Double Bevel (V type) 60° angle
P6: Single Bevel 45° angle
D: "Diamond" square profile (±0,3mm)



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 and uncontrollable and creates excessive wear. It is recommended that your squeegee slightly exceeds the printed image in size, and to leave significant free space between your screen edge and both squeegee ends.

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 bends permanently 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 an impregnated cloth or in an appropriate cleaning machine. 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® AS squeegee blades can be sharpened by all methods commonly used in the screen printing industry (Fimor offers an extended range of diamond wheel sharpeners, please contact us for more informations).

- 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 accommodate 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 AS grade)

| Properties | Units | Norms | Values |
|---|-------------------|-----------|--------|
| Shore hardness at 20°C | shA | DIN 53505 | 75 |
| Tensile modulus at 10% elongation | MPa | DIN 53504 | 1.10 |
| Tensile modulus at 100% elongation | MPa | DIN 53504 | 4.45 |
| Tensile modulus at 200% elongation | MPa | DIN 53504 | 7.40 |
| Tensile modulus at 300% elongation | MPa | DIN 53504 | 13.30 |
| Tensile strength | MPa | DIN 53504 | 50 |
| Tensile strain at break | % | DIN 53504 | 450 |
| Tear resistance (non initiated tear) | KN/m | DIN 53515 | 89 |
| Tear resistance (initiated tear) | KN/m | DIN 53515 | 22 |
| Resilience | % | DIN 53512 | 24 |
| Abrasion loss | mm ³ | DIN 53516 | < 30 |
| DRC (25% of crushing during 22 hours at 70°C) | % | DIN 53517 | 48 |
| Shore hardness at -5°C | shA | DIN 53505 | 85 |
| Shore hardness at +80°C | shA | DIN 53505 | 73 |
| Specific gravity | g/cm ³ | | 1.18 |
| Swelling in solvent (70% dihydrofuranone basis) | % | ISO 175 | < 20 |

Manufactured by:



www.fimor.fr

DISTRIBUTED BY:



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