

### Product Description:

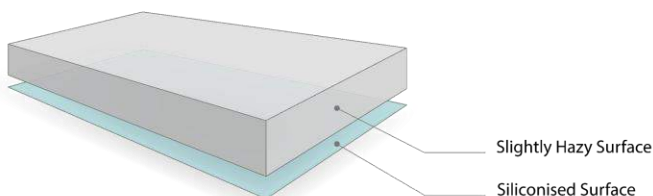
SRF121 is a moderate haze polyester film with a silicone coating on one surface.

Along with high strength, flexibility and chemical resistance, it provides good dimensional stability and excellent slip over a wide temperature range.

This product is suitable for many industrial applications that require a high performance release film, but it has not been tested for food and drug use applications.

### Key Features:

- Minimum silicone rub-off
- Very consistent release level with ageing
- Better than 95% subsequent adhesion
- Clear, distortion free, highly cured coating which does not transfer or migrate
- No static induced effects (Newton rings)



### Storage

Recommended storage conditions: 10°C – 25°C; 20% – 50% RH  
Shelf Life: 12 months from delivery date (under recommended storage conditions)

| TYPICAL VALUES                        |                                                                                     | MD = Machine Direction, TD = Transverse Direction |           |                |      |      |
|---------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------|-----------|----------------|------|------|
| Property                              | Test method                                                                         | Unit                                              | Direction | Typical values |      |      |
| Film thickness                        | -                                                                                   | micron                                            |           | 23             | 36   | 50   |
| Film yield                            | -                                                                                   | m <sup>2</sup> /Kg                                |           | 31.1           | 19.9 | 14.3 |
| Unit weight                           | -                                                                                   | g/m <sup>2</sup>                                  |           | 32.2           | 50.2 | 69.9 |
| Haze                                  | ASTM D1003                                                                          | %                                                 |           | 6.2            | 8.6  | 10   |
| Shrinkage 30 mins at 150°C            | -                                                                                   | %                                                 | MD        | 1.5            |      |      |
|                                       |                                                                                     |                                                   | TD        | 0.4            |      |      |
| Tensile strength at break             | ASTM D882                                                                           | Kgf/mm <sup>2</sup>                               | MD        | 21             |      |      |
| Elongation at break                   | ASTM D882                                                                           | %                                                 | MD        | 115            |      |      |
| Modulus                               | ASTM D882                                                                           | Kgf/mm <sup>2</sup>                               | MD        | 387            |      |      |
| Coefficient of static friction (slip) | ASTM D1894                                                                          | -                                                 |           | 0.2            |      |      |
| Release from silicone side            | T-peel from 3M 610 and TESA 4154 tape at 30cm/min                                   | g/2.5cm                                           |           | 3 to 10        |      |      |
| Release from silicone side            | T-peel from BOPP/Gelva 1753 adhesive at 30 cm/min                                   | g/2.5cm                                           |           | 10 to 30       |      |      |
| Smear                                 | Haze observed when rubbed once with index finger                                    | -                                                 |           | None           |      |      |
| Rub-off                               | Coating removed when rubbed hard with index finger                                  | -                                                 |           | None           |      |      |
| Migration                             | Effect of tackiness of 3M 610 tape after contact with silicone coating              | -                                                 |           | None           |      |      |
| Re-adhesion                           | Peel force of TESA 4154 tape to stainless steel after contact with silicone coating | %                                                 |           | > 95           |      |      |

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