SILICONE POLYMER SERIES 13

SILPHAN Silicone Coated Polyester PET

SILICONE TYPE
Solvent thermal cured PT catalyst

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

The information in this leaflet are not binding and can be changed in any moment without previous notice.

Gr/cm 5 11 20 30 42 55 100 150
Gr/in 13 28 50 75 105 138 250 375

Gr/cm 1R13007 2R13017 3R13018 5R13019 8R13013 10R13035 19R13015 31R13016

MAIN APPLICATIONS
- Tapes
- Industrial
- Pre-preg
- Medical

NOTES:

PROPERTIES
Very stable release over time also on the very tight release versions. Ideal also with modified acrylic adhesives.
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**SILICONE POLYMER SERIES 13 LOW RAINBOW**

**SILPHAN** Silicone Coated Polyester

**SILICONE TYPE** Solvent thermal cured PT catalyst

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

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**MAIN APPLICATIONS**
- Tapes
- Industrial
- Pre-preg
- Medical
- Optical application

**NOTES:**

**PROPERTIES**
Very stable release over time also on the very tight release versions excellent also with modified acrylic adhesives. The silicone has no rainbow effect or newton rings.
The information in this leaflet are not binding and can be changed in any moment without previous notice.

**SILPHAN**

**Silicone Coated Polyester**

**PET**

**SILICONE POLYMER SERIES 10**

**SILPHAN**

**Silicone Coated Polyester PET**

**SILICONE TYPE**  
Solvent thermal cured PT catalyst

**MAIN APPLICATIONS**
- Tapes
- Label
- Industrial
- Pre-preg
- Medical

**PROPERTIES**

Excellent release with acrylic and rubber adhesives. CRA added to the formulation can interact with some acrylic adhesives, our suggestion is therefore to use series 13 for tight release silicone formulations. Serie 10 (easy release version) is also used for process liner increasing the applied quantity of silicone. On this purpose the D 1R10070 (silicone double layer on one side) and T 1R10070/1R10003 (silicone double layer on one side and standard silicone layer on reverse side) are available.

**NOTES:**

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**SILICONE POLYMER SERIES 16**

**SILPHAN** Silicone Coated Polyester

**SILICON TYPE** Solvent thermal cured TIN catalyst

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

<table>
<thead>
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<th></th>
<th>gr/in</th>
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</tr>
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<td>6</td>
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</table>

**MAIN APPLICATIONS**
- Tapes
- Industrial
- Labels

**NOTES:**


**PROPERTIES**

Very stable release over time.
Available only one side coated. Having tin catalyst this silicone coating is suitable for adhesives that are incompatible with platinum catalyzed silicone.
The information in this leaflet are not binding and can be changed in any moment without previous notice.

Silicone Coated Polyester PET

Silicone Polymer Series 11

Silphann

Silicone Type
Solvent thermal cured PT catalyst

Main Applications
- Tapes
- Industrial
- Pre-preg
- Medical

Properties

This silicone polymer cures on different types of film even if chemical components that can reduce the silicone polymerization are present. Controlled release version has to be carefully tested to avoid lock up problem over time. This silicone is also light sensitive, release values can increase over time if the material is not properly protected and covered with adhesive.

Notes:

- Tesa 7475
- 24h – 70°C - 70 gr/cm² - 300 mm/min
- 0 – 90

Test Method:

<table>
<thead>
<tr>
<th>gr/cm</th>
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</table>
The information in this leaflet are not binding and can be changed in any moment without previous notice.

**SILICON POLYMER SERIES 30** easy easy release

**SILPHAN** Silicone Coated Polyester

**SILICON TYPE** Solvent-less thermal cured PT catalyst

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

<table>
<thead>
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<th>gr/cm</th>
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**MAIN APPLICATIONS**
- Tapes
- Industrial
- Pre-preg
- Medical
- Building & construction

**PROPERTIES**
Very easy release with acrylic adhesives, Hot melt, bituminous compounds, butylic adhesives OR30001 silicone can interact with certain acrylic adhesives, OR30022 does not.

**NOTES:**

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__________________________________________

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SILICONE POLYMER SERIES FOR LABEL

SILPHAN Silicone Coated Polyester

SILICONE TYPE Solvent thermal cured PT catalyst (1R10001-1R13040)

SILICONE TYPE Solvent thermal cured TIN catalyst (1R16001)

MAIN APPLICATIONS
- Labels

NOTES:

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

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SILICONE POLYMER SERIES 16-11-13

SILPROP S silicone coated Stentered bi-oriented Polypropylene PP
SILPROP B silicone coated Blown bi-oriented Polypropylene PP

SILICONE TYPE Solvent thermal silicones
1R16001 TIN catalyst
1R11002 and XR13038 PT catalyst

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

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<td>1R11002 Series 11</td>
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MAIN APPLICATIONS
- Tapes
- Industrial
- Labels

NOTES:

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SILPROP CP Silicone coated Coextruded bi-oriented Polypropylene PP

SILICONE POLYMER SERIES 13

SILICONE TYPE Solvent thermal cured PT catalyst

Test method: 24h - 70°C - 70 gr/cm² - 300 mm/min - Tesa 7475

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gr/cm

21

53

NOTES:

- Tapes
- Industrial

PROPERTIES
Tight release coatings. Suggested to be used as tight side on the differential coated film for its high stability over time. (easy side suggested series 30).
The information in this leaflet are not binding and can be changed in any moment without previous notice.

SILPROP CP Silicone coated Coextruded bi-oriented Polypropylene

**SILICONE POLYMER SERIES 13**

**SILICONE TYPE** Solvent thermal cured PT catalyst

<table>
<thead>
<tr>
<th>SILICONE POLYMER SERIES</th>
<th>SILICONE TYPE</th>
<th>Solvent thermal cured PT catalyst</th>
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**Test method:** 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

<table>
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**MAIN APPLICATIONS**
- Tapes
- Industrial

**NOTES:**
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**PROPERTIES**
Tight release coatings. Suggested to be used as tight side on the differential coated film for its high stability over time. (easy side suggested series 30).
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SILICON POLYMER SERIES 11-12

SILPROP M Silicone Coated Mono-oriented Polypropylene

SILICONE TYPE Solvent thermal cured PT catalyst

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

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<td>5R11020</td>
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MAIN APPLICATIONS
- Tapes
- Industrial
- Medical

NOTES:

PROPERTIES
Series 11 is light sensitive, release values can increase over time if not properly protected and covered with adhesive.
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**SILICONE POLYMER SERIES**

**SILPROP K** Silicone Coated **Cast-embossed Polypropylene PP**

**SILICONE TYPE** Solvent thermal cured PT catalyst

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**PROPERTIES**

On SILPROP K this silicone series is the only available. Series 11 is light sensitive, release values can increase over time if not properly protected and covered with adhesive. This product is suggested for cliché mounting tape.

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**MAIN APPLICATIONS**

- Tapes
- Industrial

**NOTES:**

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**SILICONE POLYMER SERIES 11 - 30 - 32**

**SILTHENE HD** Silicone coated **High Density Polyethylene**

**SILICONE TYPE**  
- **XR30021 - 1R32001** Solvent-less thermal cured PT catalyst  
- **1R11014 - 5R11017** Solvent thermal cured PT catalyst

The information in this leaflet are not binding and can be changed in any moment without previous notice.

Test method: 24h – 70°C - 70 gr/cm² - 300 mm/min – Tesa 7475

<table>
<thead>
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<td>series 32</td>
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<td>13</td>
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**MAIN APPLICATIONS**  
- Tapes  
- Industrial  
- Self adhesive membrane & roofing

**NOTES:**

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SILICONE POLYMER SERIES 11 - 30 - 32

SILTHENE LD Silicone coated Low Density Polyethylene

SILICONE TYPE
1R11014 Solvent thermal cured PT catalyst
1R32001-0R30008-XR32004 Solvent-less thermal cured PT catalyst

Test method: 24h 40°C 300 mm/min Tesa 7475

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<th>Series 32</th>
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<table>
<thead>
<tr>
<th>gr/cm</th>
<th>gr/in</th>
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<td>23</td>
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MAIN APPLICATIONS
- Tapes
- Industrial
- Building & construction

NOTES:

SILTHENE
The information in this leaflet are not binding and can be changed in any moment without previous notice.

**SILFLU**

Fluorosilicone Coated Film

**SILFLU**

FlUorOsiLICoNE

**MAIN APPLICATIONS**

- Tapes
- Industrial
- Medical

**PROPERTIES**

- 1R88001 and 1R88002 codes are using the same polymers with different coating weight
- XR87001 high competitive fluoro chemistry, can be used for both methylc and phenylic silicone PSA
- 1R82001 is mainly working with phenylic silicone PSA but with limitations. This fluoro-sillicone is tested only with Tesa 7475

**SILICONE TYPE**

Solvent thermal cured fluoro chemistry

<table>
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<td>gr/in</td>
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**NOTES:**

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PET

SILFREE SC  Silicone-free Coating

SILFREE

Test method: 24h - 70°C - 70 gr/cm² - 300 mm/min - Tesa 7475

<table>
<thead>
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<tr>
<td>gr/in</td>
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Silicone Code XR19001

**MAIN APPLICATIONS**

- PCB and FPCB

**NOTES:**

- This quality is called SILFREE SC and according to the IDEMA test and depending on the Lab that is performing the test, we can find a silicone contamination from 50 to 200 ng (cm²).