

## **BARNIER® R41**

### Epoxy Resin

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#### **DESCRIPTION**

Scapa 41 is a non-filled, semi-rigid, room curing, two component epoxy resin. The colour of the mixture is amber .

#### **APPLICATIONS**

- For electrical insulation of low voltage cable joints.
- Protection against moisture
- For electrical insulation of BT cable accessories

#### **PRODUCT BENEFITS**

- Precise packaging of pre-weighed resin and hardener.
- Easy mixing due to the weight ratio of resin / hardener of 1/1.
- Polymerises in wet conditions without bubbling.
- Pot life adapted to temperate climates.
- Exceptional adhesion to PVC and PE.
- Conforms to UTE standard C 33-010.
- After mixing the resultant product is completely inert.

## TECHNICAL PROPERTIES

| Technical Property                       | Nominal Value        | Unit  | Test Method  |
|--|----------------------|-------|--------------|
| Density of the Mixture at 25°C           | 1.04                 | g/cm3 | ISO 3521     |
| Dielectric Strength                      | 25                   | kV/mm | IEC 60243    |
| Hardener Viscosity at 25°C               | 3500                 | mPa.s | ISO 2555     |
| Pot Life for 100g at 25°C in the air     | 25                   | Min   | UTE C 33 010 |
| Proportion of Hardener for 100g of Resin | 100                  | G     | -            |
| Resin Viscosity at 25°C (Brookfield)     | 3500                 | mPa.s | ISO 2555     |
| Shore A Hardness                         | 95                   | -     | ISO 868      |
| Volume Resistivity                       | 1 x 10 <sup>12</sup> | Ohm.m | IEC 60093    |

*Note:*

*\*\*\*This will be taken from the core product for the SAP Material Group\*\*\**

## STANDARD PRESENTATIONS

- Branding: Scapa
- Double bag / Volume (Cm<sup>3</sup>) / Weight (g): 41001 / 86 / 90
- Double bag / Volume (Cm<sup>3</sup>) / Weight (g): 41002 / 183 / 190
- Double bag / Volume (Cm<sup>3</sup>) / Weight (g): 41003 / 423 / 440
- Double bag / Volume (Cm<sup>3</sup>) / Weight (g): 41004 / 493 / 513
- Double bag / Volume (Cm<sup>3</sup>) / Weight (g): 41005 / 402 / 418

## RECOMMENDATIONS

Store in the sealed packaging above freezing point between +10°C and +30°C. Shelf life is 2 years.