

Slot Cutting Resin PC5581 D, 3,5 ltr

Art. nr. 205581



ISP Slot Cutting Resin PC5581D is a cold curing 2 component polyurethane resin specially designed for backfilling of cutted slots for detector loops on motorways and all purpose trunk roads. PC5581D has good adhesion and meets all specifications as set by the Highway Agency for encapsulants.

Properties:

- High resistance against UV, chemicals and earth alkalines
- High hydrolysis resistance
- No halogens and plasticizers
- High impact resistance
- Low curing temperature
- No toxic emission
- Excellent adhesion to all cable materials as well as road surface materials
- Recommended operating temperature between 0 and + 35 °C
- Storage temperature between + 10 and 35 °C, short term between -10 and + 50 °C.
- Excellent curing characteristics

Subject to change without notice

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Technical specifications

| Properties | unit | value |
|--|---------------------|--------------------|
| Potlife (processing time) | minutes | |
| 5°C | | 30 |
| 23°C | | 10 |
| 35°C | | 7 |
| Viscosity mixture | | |
| 25°C | MPa.s | 3000-6000 |
| Gell-time | minutes | 14 |
| Specific gravity | g / cm ³ | 1,5 |
| Hardness | Shore D | 45 |
| Tensile strength | N / mm ² | 4,0 |
| Elongation at break | % | 30 |
| Water absorption (30 days / 23°C) | % | <1,0 |
| Aging (weight loss) 28 days/ 120°C | % | <1,0 |
| Surface structure cured under water | | No bubbles |
| <u>Resistance against moisture after storage in water at 90 °C/ 28days</u> | | |
| Tensile strength | N / mm ² | 3,3 |
| Elongation at break | % | 49 |
| Hardness | Shore D | 32 |
| Dielectric strength | kV/mm | > 20 |
| Specific resistance | Ohm | 1x10 ¹³ |
| Surface resistance | Ohm | 1x10 ¹² |
| Temperature resistance | °C | - 25 to +120 |
| Shelf life | months | 18 |
| Colour | | black |
| Mixing time | minutes | 2 |

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