



BETASEAL™ 900EI

Glass Bonding Systems

BETASEAL™ 900EI is a one-component, moisture-curing, non-conductive polyurethane-based adhesive especially developed for battery pack assembly and sealing.

BETASEAL™ 900EI has low VOC, durable adhesion to e-coated aluminum or steel, good gap bridging capability and is fast-curing. BETASEAL™ 900EI has an optimized modulus and high electrical resistance. It is formulated to withstand pressure.

BETASEAL™ 900EI exhibits excellent sealing against environmental factors and is field serviceable.

Product information

| | | |
|---------------|------------------------|---------|
| Colour | Black | |
| Density | 1.29 g/cm ³ | ISO 845 |
| Solid content | ≥98 % | |

Rheological properties

| | |
|---------------|-----------|
| Cup Viscosity | 20 - 50 s |
| Cup Type | Ford #4 |

Typical mechanical properties

| | | |
|----------------------------|-----------|-------------|
| Stress at break | 6.9 MPa | ISO 1798 |
| Strain at break | 150 % | ISO 1798 |
| Lap shear strength, 3 days | ≥3.45 MPa | DIN EN 1465 |
| Shore hardness A | 70 - 82 | DIN 53505 |

Thermal properties

| | | |
|-------------|--------|-----------|
| Flash point | 110 °C | ASTM D 92 |
|-------------|--------|-----------|

Storage and stability

| | |
|------------|-------------------------|
| Shelf life | 6 ^[1] months |
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[1]: Short time storage temperatures: 0°C/32°F to 40°C/104°F. From date of manufacture at +5°C/41°F to +35°C/95°F in unopened containers.

Characteristics

| | |
|---------------|-------|
| Compatibility | Glass |
|---------------|-------|

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