KEY FEATURES

- Suitable for indoor and outdoor use with BMOD 36 kV
- Excellent UV and anti-tracking performance as well as low toxicity with BMOD 36 kV
- Flame retardant
- Operating temperature rating up to +105°C
- Easy to install and remove for inspection and maintenance
- Compatible with TE’s Raychem LVIT, LVBT, BBIT, BPTM, HVBT and MVFT

TE Connectivity’s (TE) Raychem BMOD cold applied busbar insulation connection covers are designed to protect and insulate energized busbar connections from flashover due to accidental contact up to 36 kV.

TE Raychem’s BMOD product family come in two ranges, low voltage BMOD which is suitable for use in low voltage applications up to 1 kV, for medium voltages up to 36 kV, use medium voltage BMOD with their excellent outdoor and anti-tracking performance.

They can be used on bare busbars, switchgear connections, substations and other electrical equipment. Our BMOD covers allow equipment designers to reduce air spacings between busbars when used in conjunction with TE’s Raychem heat shrink tubing or tapes.

Our BMOD covers provide flashover protection on Tee, Elbow and Straight connections with 1 x 1 busbar combinations. Cold applied half-shells are fixed with easy push fit latches for retro-fit installation and can be removed and reused.

They are available in 50 mm, 75 mm and 100 mm sizes which can be used in confined spaces. Our BMOD covers can be used on a busbar with a maximum of 12 mm thickness.

Customers can count on consistent, high quality products, driven by TE’s proven innovation and backed by our extraordinary customer support.
TE’s wildlife and asset protection products and systems of tubing, tapes, sheets, pre-formed covers and barriers provide a proven, cost-effective and easy-to-install solution to bird, animal and weather related outages.

### Key Material Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Test Method</th>
<th>Low Voltage</th>
<th>Medium Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to Transformer Oil</td>
<td>VDE 0370</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>at 168 hrs at 23°C</td>
<td></td>
<td>11MPa min</td>
<td>11MPa min</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td></td>
<td>300% min</td>
<td>100% min</td>
</tr>
<tr>
<td>Ultimate Elongation</td>
<td></td>
<td>105°C min</td>
<td>105°C min</td>
</tr>
<tr>
<td>Flammability</td>
<td>ANSI C 37.20</td>
<td>105°C min</td>
<td>n/a</td>
</tr>
<tr>
<td></td>
<td>UL94 HB</td>
<td>60 seconds maximum</td>
<td>&lt; 3 in./min</td>
</tr>
<tr>
<td>UV Stability</td>
<td>ASTM G154 / SAE J2020</td>
<td>n/a</td>
<td>Pass</td>
</tr>
<tr>
<td>at 5000hrs UVB Cycle 3</td>
<td>ASTM D2303</td>
<td>105°C min</td>
<td>5 MPa min</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td></td>
<td>300% min</td>
<td>300% min</td>
</tr>
<tr>
<td>Ultimate Elongation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
<td>Red</td>
<td></td>
</tr>
</tbody>
</table>

### Electrical Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Test Method</th>
<th>Low Voltage</th>
<th>Medium Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dielectric Strength</td>
<td>ASTM D149</td>
<td>130 kV/cm min (2.5 mm)</td>
<td>&gt;200 kV/cm min (2.5 mm)</td>
</tr>
<tr>
<td>Volume Resistivity</td>
<td>ASTM D257</td>
<td>1 x 10¹² Ohm cm min</td>
<td>1 x 10¹² Ohm cm min</td>
</tr>
<tr>
<td>Tracking Erosion Resistance</td>
<td>ASTM D2303</td>
<td>n/a</td>
<td>No tracking, erosion or flame after 1hr @2.5 kV Thr @2.75 kV Thr @3 kV Thr @3.25 kV Thr @3.5 kV Thr</td>
</tr>
</tbody>
</table>

Note: The above information refers to the backing material only.

### Product Performance

#### BMOD-HV-050-T11-01(B12)
- BMOD cover for HV, 50 mm x 12 mm single busbar, “Tee” shape, right hand angle, pack of 12

#### BMOD-HV-075-L11-01(B12)
- BMOD cover for HV, 75 mm x 12 mm single busbar, “Elbow” shape, right hand angle, pack of 12

### Ordering Information - Product Description

#### Straight Shape

<table>
<thead>
<tr>
<th>Part Number Description</th>
<th>Product Family Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMOD-LV-050-S11-00(B12)</td>
<td>LV Low Voltage system</td>
</tr>
<tr>
<td>BMOD-LV-075-S11-00(B12)</td>
<td>HV Medium Voltage System</td>
</tr>
<tr>
<td>BMOD-LV-100-S11-00(B12)</td>
<td>50 mm busbar x 12 mm max</td>
</tr>
<tr>
<td>BMOD-HV-050-S11-00(B12)</td>
<td>75 mm busbar x 12 mm max</td>
</tr>
<tr>
<td>BMOD-HV-075-S11-00(B12)</td>
<td>100 mm busbar x 12 mm max</td>
</tr>
</tbody>
</table>

#### Tee Shape

<table>
<thead>
<tr>
<th>Part Number Description</th>
<th>Product Family Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMOD-LV-050-T11-00(B12)</td>
<td>LV Low Voltage system</td>
</tr>
<tr>
<td>BMOD-LV-075-T11-00(B12)</td>
<td>HV Medium Voltage System</td>
</tr>
<tr>
<td>BMOD-LV-100-T11-00(B12)</td>
<td>50 mm busbar x 12 mm max</td>
</tr>
<tr>
<td>BMOD-HV-050-T11-00(B12)</td>
<td>75 mm busbar x 12 mm max</td>
</tr>
<tr>
<td>BMOD-HV-075-T11-00(B12)</td>
<td>100 mm busbar x 12 mm max</td>
</tr>
</tbody>
</table>

#### Elbow Shape

<table>
<thead>
<tr>
<th>Part Number Description</th>
<th>Product Family Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMOD-LV-050-L11-01(B12)</td>
<td>LV Low Voltage system</td>
</tr>
<tr>
<td>BMOD-LV-075-L11-01(B12)</td>
<td>HV Medium Voltage System</td>
</tr>
<tr>
<td>BMOD-LV-100-L11-01(B12)</td>
<td>50 mm busbar x 12 mm max</td>
</tr>
<tr>
<td>BMOD-HV-050-L11-01(B12)</td>
<td>75 mm busbar x 12 mm max</td>
</tr>
<tr>
<td>BMOD-HV-075-L11-01(B12)</td>
<td>100 mm busbar x 12 mm max</td>
</tr>
</tbody>
</table>

### Technical Report

<table>
<thead>
<tr>
<th>Report Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>EDR-8499</td>
<td>LVBMOD Material Qualification Report</td>
</tr>
<tr>
<td>PPR-3326</td>
<td>HVBMOD Material Qualification Report</td>
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</table>

### For More Information

#### TE Technical Support Centers

<table>
<thead>
<tr>
<th>Country</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>+1 800 327 6996</td>
</tr>
<tr>
<td>Canada</td>
<td>+1 (905) 475-6222</td>
</tr>
<tr>
<td>Mexico</td>
<td>+52 (0) 55-1106-0800</td>
</tr>
<tr>
<td>Latin/S. America</td>
<td>+54 (0) 11-8733-2200</td>
</tr>
<tr>
<td>France</td>
<td>+33 380 583 200</td>
</tr>
<tr>
<td>UK</td>
<td>+44 0870 870 7500</td>
</tr>
<tr>
<td>Germany</td>
<td>+49 896 089 903</td>
</tr>
<tr>
<td>Spain</td>
<td>+34 916 630 400</td>
</tr>
<tr>
<td>Italy</td>
<td>+39 333 250 0915</td>
</tr>
<tr>
<td>Benelux</td>
<td>+32 16 508 695</td>
</tr>
<tr>
<td>Russia</td>
<td>+7 495-790 790 2-200</td>
</tr>
<tr>
<td>China</td>
<td>+86 (0) 400-820-6015</td>
</tr>
</tbody>
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