PORCELAIN HOLLOW INSULATORS

Wet Process Porcelain
Extrusion Technology
Wet Turning Process
C130 and C130 HS (Ultra High Strength) Alumina Porcelain
High Creepage Options
Brown RAL 8017 / Grey ANSI 70
Conical Shape (Tapered for DTB and Bushings)
Cylindrical Shape (LTB, DTB)
Barrel Shape (LTB)
Special Customer Design Shape (Bushings, Housings)
EHV multi-piece (epoxy glued) technology

VOLTAGE CLASS: 1 – 1100 kV (up to >9 m with glued multi-piece design)
PRODUCT STANDARDS: IEC 62155, IEC 60672, IEC TS 62371 (draft)
EXPERIENCE: > 70 years

MAIN ADVANTAGES:
• Most Reliable Hollow Insulator Product
• Extreme Weather and Environmental Resistant
• High/Ultra High Mechanical Strength
• Extreme Low Deflections under Mechanical Loading
  (in comparison to Composite Hollow Insulators)
• Life-Expectancy > 40 years
• Full Customer Specific Design Options
  • 1-piece designs up to 245 kV
  • 2-piece design for 420 kV
  • 3-piece design for 525 kV
  • 4-piece design for 800 kV
• Silicone Coatings available for Applications under Extreme Pollution

REFERENCES:
• Siemens (LTB, Germany)
• Siemens (DTB, USA)
• Areva (LTB, DTB, Germany, France, China, Mexico, USA)
• ABB (Sweden, Switzerland)
• Mitsubishi Electric Company (DTB, USA)
• S&C (LTB, USA)
• Kuhlmann (CT/VT, USA)
• Cooper (USA)
• Ohio Brass/Hubbel (Surge Arrestors, USA)

See also our complete Reference List for Porcelain Hollow Insulators

DESIGNS:

<table>
<thead>
<tr>
<th>Inner Ø [mm]</th>
<th>Min. Wall Thickness [mm]</th>
<th>Pollution Class* [mm/kV]</th>
<th>h1, Max ** [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>from 100</td>
<td>from 4”</td>
<td>12 - 55</td>
<td>up to 1500</td>
</tr>
<tr>
<td>up to 750</td>
<td>up to 30”</td>
<td>12 - 55</td>
<td>up to 2600</td>
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* in accordance with IEC 60815, higher specific creepage distance possible in individual cases
** max connection length

END FITTINGS:
• Flanges
• Special Fittings with Inserts and Field Control Devices
• IEC TS 62371 (draft) types
• Special customer and tailormade fittings