TECHNICAL PARTICULARS

MECHANICAL VALUES

- Bending strength (Upright): 1400 lb, 6.22 kN
- Compression strength: 60000 lb, 267 kN
- Tensile strength: 20000 lb, 89 kN
- Torsional strength: 40000 lb, 4.52 kNm

ELECTRICAL VALUES

- Dry power frequency withstand voltage: 770 kV
- Wet power frequency withstand voltage: 710 kV
- Dry power frequency flashover voltage: 800 kV
- Wet power frequency flashover voltage: 740 kV
- Lightning impulse withstand voltage: 1800 kVp
- Impulse flash over voltage: 2000 kVp
- Min. nominal creepage distance: 8382 mm
- Shed profile as per IEC : 60815

RADIO INFLUENCE VOLTAGE DATA

- Test voltage to ground: 318 kV
- Max. RIV at 1000 kHz: 2000 µV

NOTE:
- Test & tolerance as per IS :2544, 5350 & IEC :60168, 273 & ANSI : C 29.9

STATION POST INSULATOR

(BIL - 1800 kV)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>Scale N.T.S.</th>
<th>Matl.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,5,6,7</td>
<td>Caps &amp; Flange</td>
<td>Al. porcelain</td>
<td>Hot dip galv.</td>
<td>Grey glazed</td>
<td></td>
</tr>
<tr>
<td>1,2 &amp; 3</td>
<td>Insulator body</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4 Holes 5/8" -1UNC (0.015" Oversize)
X0.866" deep on 5" PCD

4 Holes 3/4" -10UNC (0.015" Oversize)
X0.787" deep on 7" PCD

All dimensions are in mm.

NEWELL PSN LLC

Rev.: - 1 On dated: 30-01-2001