

# PVU (High Temp) - 105°C PVC sleeving, sleeves and cable markers manufactured to meet the requirements of UL224.



## Specifications

- Meets the requirements of UL224 105°C
- CSA 105°C Soft
- BS 2848 Type 3/105T
- IEC 684-3-100 to 105

## Applications

Hilltop Products' PVU is manufactured from a premium virgin **lead-free** polyvinylchloride (PVC) compound to produce a 600V/105°C rated tubing with VW-1 flame retardancy which meets the requirements of UL 224.



### Standard Colours & Colour Codes

|           |            |           |
|-----------|------------|-----------|
| Black - 0 | Yellow - 4 | White - 9 |
| Red - 2   | Blue - 6   |           |

| Inside Diameter | Wall Thickness | ORDERING DESCRIPTION   |
|-----------------|----------------|------------------------|
| mim             | mm             |                        |
| 1.0             | 0.4            | PVU10-colour code-CLS  |
| 1.5             | 0.4            | PVU15-colour code-CLS  |
| 2.0             | 0.4            | PVU20-colour code-CLS  |
| 2.5             | 0.4            | PVU25-colour code-CLS  |
| 3.0             | 0.5            | PVU30-colour code-CLS  |
| 4.0             | 0.5            | PVU40-colour code-CLS  |
| 5.0             | 0.5            | PVU50-colour code-CLS  |
| 6.0             | 0.5            | PVU60-colour code-CLS  |
| 7.0             | 0.5            | PVU70-colour code-CLS  |
| 8.0             | 0.6            | PVU80-colour code-CLS  |
| 9.0             | 0.6            | PVU90-colour code-CLS  |
| 10.0            | 0.6            | PVU100-colour code-CLS |
| 12.0            | 0.6            | PVU120-colour code-CLS |
| 14.0            | 0.7            | PVU140-colour code-CLS |
| 16.0            | 0.7            | PVU160-colour code-CLS |
| 20.0            | 0.8            | PVU200-colour code-CLS |
| 25.0            | -              | PVU250-colour code-CLS |

Alternative wall thickness and other inside diameters may be available subject to special order.  
Other colours available upon request (non-standard).

## Performance

| Test                              | Test Method | Typical Performance  |
|-----------------------------------|-------------|--|
| Tensile Strength:                 | ISO 37      | 22.0 MPa   |
| Ultimate Elongation:              | ISO 37      | 260%   |
| Continuous Operating Temperature: | -           | -40°C to +105°C  |
| Low Temperature:                  | ASTM D2671  | No cracking or splitting                                     |
| Dielectric Strength:              | IEC 243     | 25 Kv/mm min   |
| Insulation Resistance:            | -           | 10 <sup>12</sup> Ohm/cm                                      |
| Flammability:                     | ASTM D2671  | Highly flame retarded to meet the requirements of UL244 VW-1 |
| Hardness                          | BSS         | 25 - 35  |