

# Heat Shrink Tubings

pro-POWER

## HS100 Series



### Features:

- Semi-rigid, adhesive lined, polyolefin tubing
- 3:1 shrink ratio
- Splash-resistant, moisture-resistant covering
- Rugged protection against abrasion, vibration and flexing
- Excellent strain relief and insulation of weak points
- Operation temperature range : -55°C to 125°C

### Dimension Table

| Size (Inches) | Inside Diameter |                        | Recovered Wall Thickness |                             |
|---------------|-----------------|------------------------|--------------------------|-----------------------------|
|               | As Supplied     | Maximum After Recovery | Total Wall After Heating | Meltable Wall After Heating |
| 1/8           | 3.2 ±0.4        | 1                      | 0.95                     | 0.35                        |
| 3/16          | 4.8 ±0.4        | 1.6                    | 1.1                      | 0.5                         |
| 1/4           | 6.4 ±0.4        | 2.2                    | 1.2                      | 0.6                         |
| 3/8           | 9.5 ±0.4        | 3.2                    | 1.4                      | 0.65                        |
| 1/2           | 12.7 ±0.8       | 4.2                    | 1.5                      | 0.75                        |
| 3/4           | 19.1 ±0.1       | 6.3                    | 2                        | 0.9                         |

Dimensions : Millimetres

### Product Properties

| Property (Units)                 | Test Method   | Requirement          |
|----------------------------------|---------------|----------------------|
| <b>Physical</b>                  |               |                      |
| Tensile Strength (psi)           | ASTM D638     | 1,500 min.           |
| Elongation (%)                   | ASTM D638     | 300 min.             |
| Cold Impact (-55°C)              | ASTM D746     | no cracking          |
| Heat Shock (250°C, 4 hrs)        | AMS-DTL-23053 | no cracking          |
| Secant Modulus (psi)             | ASTM D882     | 25,000 max.          |
| Longitudinal Change (%)          | AMS-DTL-23053 | ±5                   |
| <b>Electrical</b>                |               |                      |
| Dielectric Strength (Volts / mm) | ASTM D876     | 1,500 min.           |
| Volume Resistivity (Ω-cm)        | ASTM D876     | 1 × 10 <sup>14</sup> |
| <b>Chemical</b>                  |               |                      |
| Corrosion                        | UL224         | no corrosion         |
| Water Absorption (%)             | ASTM D570     | 2 max.               |
| Fluid Resistance (23°C, 24 hrs)  | -             | Good                 |
| Flammability                     | UL224         | Pass                 |