



Gala Heat Shrinkable Glands (GHSG) provides a watertight and fume-tight seal where cables enter Connection Boxes, Bulkheads, or other Enclosures.

The standard GHSG for thin-wall enclosures consists of a three-part assembly:

1. A Rigid Nylon Nut 2. An O-ring 3. A Heat Shrinkable Moulded Part.

All GHSGs supplied with factory-applied Hot melt adhesive which provides the seal to wire and cable jackets.

Features & Benefits:

- ❖ Excellent Strain relief
- ❖ Provides Cable Entry Sealing.
- ❖ Combination of Nylon Nut and Heat Shrinkable Cross-linked Polyolefin.
- ❖ Rated to 600 Volts.
- ❖ Pressure sealing upto 25 psi.

Selection Chart

| Gala Code | A (mm) | B (mm) | Supplied ID (mm) (Min.) | Recovered ID (mm) (Max.) | Cable Diameter Range (mm) |
|-----------|--------|--------|-------------------------|--------------------------|---------------------------|
| GHSG-1    | 70     | 25     | 13                      | 4.3                      | 5 - 10                    |
| GHSG-2    | 70     | 25     | 19                      | 5.5                      | 6 - 17                    |
| GHSG-3    | 95     | 35     | 29                      | 12.5                     | 14 - 25                   |
| GHSG-4    | 116    | 51     | 39                      | 19.0                     | 20 - 37                   |
| GHSG-5    | 178    | 89     | 70                      | 35.5                     | 37 - 67                   |

Technical Specification

| Properties                                                                                                                            | Value                             | Standard   |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------|
| Physical                                                                                                                              |                                   |            |
| Tensile Strength                                                                                                                      | 12 N/mm <sup>2</sup> (Mpa) (min.) | ASTM D638  |
| Ultimate Elongation                                                                                                                   | 350 % (min.)                      | ASTM D638  |
| Density                                                                                                                               | 1.0± 0.2 gm/cm <sup>3</sup>       | ASTM D792  |
| Longitudinal Change                                                                                                                   | -10% (max.)                       | ASTM D2671 |
| Hardness                                                                                                                              | 45 ±10 Shore D                    | ASTM D2240 |
| Water absorption                                                                                                                      | 0.5 % (max.)                      | ASTM D570  |
| Thermal                                                                                                                               |                                   |            |
| Accelerated ageing                                                                                                                    | (150°C for 168 hrs.)              | ASTM D2671 |
| Tensile Strength                                                                                                                      | 12 N/mm <sup>2</sup> (Mpa) (min.) | ASTM D638  |
| Ultimate Elongation                                                                                                                   | 300 % (min.)                      | ASTM D638  |
| Low Temperature Flexibility (-40°C for 4 hrs.)                                                                                        | No Cracking                       | ASTM D2671 |
| Heat Shock (250°C for 30 min.)                                                                                                        | No cracking or flowing            | ESI 09-11  |
| Shrink Temperature                                                                                                                    | 125°C                             | IEC 216    |
| Continuous Temperature Limit                                                                                                          | -40 to +110°C                     | IEC 216    |
| Electrical                                                                                                                            |                                   |            |
| Di-electric Strength (2mm Wall)                                                                                                       | 12 kV/mm.(min)                    | ASTM D149  |
| Volume Resistivity                                                                                                                    | 1 x 10 <sup>12</sup> Ohm.cm (min) | ASTM D257  |
| Dielectric constant                                                                                                                   | 5 (max.)                          | ASTM D150  |
| Weathering: The material from which Medium and Heavy wall tubings are manufactured contains carbon black to protect it from UV light. |                                   |            |

