



PB/PG

PB/PG is a flexible, zero halogen, 0.22mm PET (polyethylene terephthalate) monofilament expandable braided sleeve valued for its mechanical protection, chemical resistance, tensile and strengthening properties. It is available in black and grey, has a continuous operating temperature of -50° – +150°C and comes in 16 sizes ranging from 3mm to 100mm and can be [cut](#) as required.

This expandable braided sleeve is ideally suited to a vast range of applications including the mechanical protection and bundling of wire, cables, hoses and flexible pipes in all industries including harsh environments.

It is flexible, highly abrasion/cut and chemically resistant and readily expands over irregular shapes and bends before retracting. Being a braided jacket, it also provides lightweight protection that will not trap heat or moisture. Alongside these properties, it is also valued for its ease of application and the fact that few sizes are required to cover a large number of different applications.

| Properties | Typical Values |
|-----------------------------|------------------------------------|
| GENERAL | |
| Operating temperature | 50°C – + 150°C |
| Short-term peak temperature | Up to 220°C |
| Melt temperature | 250°C |
| Monofilament thickness | 0.22mm (0.25mm for 75 & 100mm dia) |
| PHYSICAL | |
| Tensile strength | 100 000psi |
| THERMAL | |
| Flammability | Halogen free |
| Limited Oxygen Index | -34% |

TECHNICAL DATA

- **OPERATING TEMPERATURE**
- 50°C – + 150°C
- **FLAME RETARDANT** Yes
- **COLOURS** Black, Grey
- **SIZES**
3mm – 100mm
- **PACKING** Reels, mini-reels, mini-packs, cut to length, cut sleeves
- **APPROVALS** RoHS Compliant, UL approval on request
- **APPLICATIONS / INDUSTRIES**
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

| Properties | Typical Values |
|---------------------|---|
| CHEMICAL | |
| Chemical resistance | Resistant to most chemicals including automotive fluids |
| Fungus resistance | Open structure doesn't retain moisture and support mould growth |
| Toxicity | Halogen free |
| Opacity | Low smoke density |

| Size (mm) | Supplied diameter (mm) | Application range (mm) |
|-----------|------------------------|------------------------|
| 3 | 3.0 | 1 – 3 |
| 4 | 4.0 | 1 – 5 |
| 5 | 5.0 | 2 – 7 |
| 6 | 6.0 | 3 – 9 |
| 8 | 8.0 | 4 – 11 |
| 10 | 10.0 | 5 – 12 |
| 12 | 12.0 | 7 – 15 |
| 15 | 15.0 | 8 – 17 |
| 20 | 20.0 | 10 – 21 |
| 25 | 25.0 | 14 – 25 |
| 30 | 30.0 | 18 – 32 |
| 40 | 40.0 | 20 – 40 |
| 50 | 50.0 | 30 – 55 |
| 60 | 60.0 | 45 – 75 |
| 75 | 75.0 | 65 – 98 |
| 100 | 100.0 | 85 – 140 |

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us.