



PBVO/

PBVO/PGVO is an expandable braided sleeve constructed of PET (polyethylene terethalate) monofilaments to which flame retardant additives are added to ensure compliance with the self-extinguishing rating, UL94-VO. It is available in black and grey, has a continuous operating temperature of -50° – +150°C and is available in sizes ranging from 3mm to 50mm and can be cut as required. In addition to the mechanical protection, chemical resistance tensile and strengthening properties of standard PET braid, PBVO/PGVO expandable braid is UL94-VO rated. It is flexible, highly abrasion/cut and chemically resistant and readily expands over irregular shapes and bends before retracting. Also, being a braided jacket, it provides lightweight easy to apply protection that will not trap heat or moisture. It is often used in the mechanical protection and bundling of wire, cables, hoses and flexible pipes in all industries including harsh environments where VO rating is required.

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
PHYSICAL	
Tensile Strength	100 000psi
THERMAL	
Flammability	Pass UL94-VO
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

TECHNICAL DATA

- **OPERATING TEMPERATURE**
-50°C-+ 150°C
- **FLAME RETARDANT**
Yes
- **COLOURS**
Black with grey tracer, Grey with black tracer
- **SIZES**
3mm – 50mm
- **PACKING**
Reels, mini-reels, mini-packs, cut to length, cut sleeves
- **APPROVALS**
UL94-VO, RoHS Compliant
- **APPLICATIONS / INDUSTRIES**
General, Commercial, Electrical, Electronics,

Size (mm)	Supplied diameter (mm)	Application range (mm)
3	3.0	2.4 – 6.4
5	5.0	3 – 9
6	6.0	4 – 10
10	10.0	6 – 16
12	12.0	7 – 19
20	20.0	13 – 32
25	25.0	18 – 34
30	30.0	19 – 45
40	40.0	25 – 60
45	45.0	32 – 70
50	50.0	38 – 76

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.