

GREMFLEX® FR

TECHNICAL DATA SHEET

GREMFLEX® FR: Expandable sleeving with flame-retarded polyester monofilaments.

This tubular braided sleeving is made of polyester PBT (Polybutylene terephthalate) monofilaments. The raw material used is treated with non-burning agents and the product is rated VO by the Underwriters' Laboratories (under 1.6mm). **Gremflex® FR** increases cut-through and abrasion resistance of both dielectric and thermal insulation surfaces.

This series should be used wherever flame resistance is required, for example: telecommunications, underground, aerospace, automotive industry, etc.

With a resistance to most chemicals, **Gremflex® FR** can be used in hostile conditions. Its 1:2 expansion ratio enables it to cover bundles of cables very easily.

Working temperature

-50°C up to +150°C

Standard colours

Black sleeve with a grey identification yarn.
Grey sleeve with a black identification yarn.

DIMENSION DATA



Reference Gremflex®	Nominal diameter (in mm)	Range of use advised	Construction	
			N° of yarns	Weight g / 100 m (±10%)
FR	3	2 to 5	60	400
FR	4	3 to 7	72	490
FR	5	4 to 9	84	580
FR	6	5 to 11	96	660
FR	8	7 to 13	120	810
FR	10	9 to 15	144	1040
FR	12	11 to 17	168	1160
FR	15	13 to 20	192	1380
FR	20	18 to 25	256	2000
FR	25	22 to 30	288	2400
FR	30	27 to 40	384	3160
FR	40	35 to 50	480	4200
FR	50	45 to 60	600	4900

GREMFLX[®] FR

TECHNICAL CHARACTERISTICS:

	Standard Requirements	Test Methods
PHYSICAL		
Working temperature	-50°C up to +150°C	
Withstand peaks	+200°C	
Melting point	+225°C	
Oxygen index limit	34,7%	NF G07-128
Flame resistance	Pass	Flame requirements of: ISO 3795 and FMVSS 302 FAR 25-853 and VO-UL94 I2 according to NF F16-101.
CHEMICAL		
Oxygen index limit	34,7%	NF G07-128
Fume opacity	Comply with	CET DEC 26-0611
Chemical resistance	Unaffected by most chemicals (Consult us for special environments)	
CUTTING		
Gremflex[®] FR can be cut in short lengths for production programmes.		
PACKAGING		
Coils fastened with ties under plastic wrapping and large spools.		
Other packaging available upon request.		

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. Gremco shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.