

# FlexTex PES-B

Mechanical and thermal insulating sleeving

-50°C to +150°C

## DESCRIPTION:

Braided sleeving made of monofilament polyester, mainly meant for applications of mechanical protection and thermal protection. Its main characteristic consists in the special form of braiding, which allows increasing the inside diameter of the sleeving considerably, the sleeving at the same time contracting in length.

Easily installed thanks to its expanding diameter capacity (approximately 1 to 2) enabling significant differences in cross sections, elbows, connections, etc to be overcome without kinks or flattening.

Easy cutting to length by hot cutting.



## TECHNICAL CHARACTERISTICS:



Mechanical and Abrasion Protection  
Impact and vibration protection



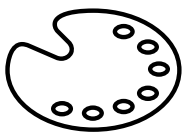
Monofilament  
polyester yarn



Braided



Expandable  
Sleeving



Standard : Black  
Other colors  
upon request



Continuous working  
temperatures -50°C to  
+150°C - Peaks at 220°C



Noise reduction  
>10 dB

## SPECIFICATIONS:

- IEC/EN 60684-1
- IEC/EN 60684-2
- IEC 60684-3 parties 340 to 342
- RoHS Directive 2002/95/EC

## MAIN FEATURES:

- Very tough and light weight structure
- Self-extinguishing
- Halogen free
- Excellent resistance to solvents and chemical atmospheres
- Excellent resistance to humidity and mould

## APPLICATIONS :

- AUTOMOTIVE HOSES
- CABLE BUNDLES



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FEATURE	METHOD, STANDARD, REGULATIONS, TESTS	RESULT		
Continuous working temperatures		-50°C à +150°C (Peaks at 220°C)		
Cold Resistance	Bending a low temperature. IEC 60684 - Part 2 Clause 14	No cracking after bending at -70°C		
Thermal ageing	-	In compliance with automotive specifications, resistance > 1000 h at 150°C		
Flammability	FMVSS 302	Self-extinguishing – available upon request		
Abrasion Resistance	SAE ARP 1536	Minimum 45.000 cycles (φ 20 mm)		
Cold Resistance	Simulation of real operating conditions	Fluid	1 hour at 23°C	5 min at 90°C
		Unleaded 98 octane petrol	Pass	-
		Diesel fuel	Pass	-
		Antifreeze -Renault Glaceol RX Type D	Pass	Pass
		Windscreen washer Fluid	Pass	-
		White spirit	Pass	-
		Brake fluid - DOT5	-	Pass
		Motor Oil –Elf Competition 15W50ST	-	Pass
		Cold degreaser - Renault 20	-	Pass
Longitudinal variation under temperature	IEC60684 - Part 2 Clause 9 4 hours at 175°C	10% maximum		
Environment	European regulations	Classed non-ecotoxic for the environment but biodegradable with difficulty		

## DIMENSIONS:

Reference	GPE D 03	GPE D 04	GPE D 05	GPE D 06	GPE D 08	GPE D 10	GPE D 12	GPE D 15	GPE D 20	GPE D 25	GPE D 30	GPE D 40	GPE D 50
Nominal diameter (mm)	3	4	5	6	8	10	12	15	20	25	30	40	50
Maximal diameter (mm)	7	9	11	14	16	18	23	26	36	40	48	68	84
Spools (m)	250	250	250	250	200	170	130	130	100	100	60	40	40
Rolls (m)	200	100	100	100	100	100	100	50	50	50	50	25	25