

Exp Braid Polyester Monofilament

ABOUT THIS PRODUCT

Made of 0.22mm diameter monofilament polyester, this sleeve is widely used in mechanical and thermal applications, providing good protection to cable bundles and offers excellent abrasion resistance. The special braiding allows this sleeve to considerably increase the inside diameter whilst at the same time contracting in length, is lightweight and very tough, making it an ideal general purpose cable harness sleeve.

Handling: No special handling requirements.



FEATURES AND BENEFITS

- Extremely flexible
- 1:2 expansion ratio (approx.)
- Halogen free
- Good chemical resistance
- Very good abrasion resistance
- Self-extinguishing

APPLICATIONS

- Stress relief
- Harnessing
- Mechanical and thermal protection

MATERIAL DATA

Product Code	240
Material	Monofilament Polyester
Standard Colour	Black, Grey
Expansion Ratio	1:2 (approx.)
Operating Temperature – °C	-40 – +150
Approval	UL 224, IEC 60684, SAE ARP 1536 A

TECHNICAL TABLE

PROPERTY	TEST	RESULT		
Thermal overcharge and ageing resistance	Simulation of real operating conditions	Good resistance to thermal overcharges. Maintains its properties after accelerated thermal ageing: 10 days at 175°C		
Longitudinal change	IEC 60684 – Part 2 Clause 9 4 hours at 175°C	10% max.		
Flammability	UL 224	Self-extinguishing		
Abrasion resistance	SAE ARP 1536 A	Min. 70,000 cycles (ϕ 20mm)		
Cold resistance	Bending at low temperature. IEC 60684 – Part 2 Clause 14	No cracking after bending at -40°C		
Chemical resistance	Simulation of real operating conditions	In general good resistance to aggressive chemical agents		
		Fluid	1 hour at 23°C	5 minutes at 90°C
		Unleaded 98 octane petrol	Pass	----
		Diesel Fuel	Pass	----
		Antifreeze – Renault Glace RX Type D	Pass	----
		Windscreen washer fluid – ad. Pro	Pass	----
		White Spirit	Pass	
		Brake fluid - DOTS	----	Pass
		Motor Oil	----	Pass
Cold degreaser – Renault 20				

DIMENSIONS

SIZE	MINIMUM	NOMINAL	MAXIMUM (*)	NO OF ENDS	% COVERAGE NOMINAL Ø	STANDARD PACKAGING
3	2	3	5	2.5	79	200
4	3	4	7	3	87	200
5	4	5	9	3	90	200
6	5	6	10	3	84	200
8	6	8	14	3	81	200
10	8	10	18	3	82	200
12	10	12	21	3	82	200
15	12	15	22	3	80	100
20	15	20	27	3	73	100
25	20	25	34	3	66	100
30	25	30	45	4	80	100
40	35	40	60	4	67	50
50	45	50	73	5	75	50
70	62	70	90	6	81	50

As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.

Other diameters supplied upon request.

Maximum expansion can be great than value stated. This is minimum guaranteed expansion.

Note: Colours available Black and Grey