

Foam

FITCO® Foam PE Bowden

FITCO® Foam PE Bowden profiles are heat and impact insulation materials made of non-cross-linked expanded polyethylene with a closed cell structure and is e.g. suitable for the protection of Bowden cables. It is specially designed for the automotive industry and complies to all specific requirements.

PE foam is particularly suited for the thermal insulation of water-based EV battery cooling systems.

The product is 100% CFC and HCFC free.

Operating temperature:	-40°C to +80°C
Shrink ratio:	About 3.7% shrinkage after 72h
Standard colors:	Grey Other colors on request

Description	Inner diameter* (mm)	Tolerance ID (mm)	Outer diameter (mm)	Tolerance OD (mm)
FITCO® Foam PE Bowden 4.0x9.6	4.0	± 0.5	9.6	± 1.0
FITCO® Foam PE Bowden 4.0x11	4.0	± 0.5	11	± 1.0
FITCO® Foam PE Bowden 5.0x11	5.0	± 0.5	11	± 1.0
FITCO® Foam PE Bowden 5.0x12	5.0	± 0.5	12	± 1.0
FITCO® Foam PE Bowden 5.5x12	5.5	± 0.5	12	± 1.0
FITCO® Foam PE Bowden 15x23	15	± 0.5	23	± 1.0
FITCO® Foam PE Bowden 17x25	17	± 0.5	25	± 1.0
FITCO® Foam PE Bowden 19x27	19	± 0.5	27	± 1.0
FITCO® Foam PE Bowden 21x29	21	± 0.5	29	± 1.0
FITCO® Foam PE Bowden 23x31	23	± 0.5	31	± 1.0

*Other dimensions on request

Note: Min. wall thickness 4mm

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Packaging: On spools, cut lengths or printed tubing on request.

Properties	Test Method	Typical Value
Mechanical		
Specific density	ISO 845	30 ±5 kg/m ³
Thermal		
Flammability	FMVSS 302 / DIN 75200 / ISO 3795 TL 1010	Compliant
Chemical		
Water absorption in 7 days	ISO 2896	< 2%
Electrical		
Heat conductivity at 10°C (λR)	EN 12667	0.038 W/mK

Key Benefits:

- 100% CFC and HCFC free
- Closed cell structure
- Non-cross-linked PE