



Features/Applications

GREMFLEX® HAR-1 is a self extinguishing, halogen free, Polyamide & Polyester 0,25mm monofilament, expandable braided sleeve.

GREMFLEX® HAR-1 offers a continuous working temperatures of -50°C up to +150°C, an outstanding abrasion resistance and a high expansion rate.

GREMFLEX® HAR-1 is suitable for the protection of pipes, hoses and harnesses where high abrasion resistance characteristics are required.

Used widely within the automotive sector for fuel lines and hose protection.

Various

Standard colours: Black, other colours available on request.

Dimensions

Reference <i>GREMFLEX® HAR-1</i>	Recommended range of use (mm)
004,0	02 to 06
006,0	04 to 09
008,0	05 to 11
010,0	07 to 14
012,0	08 to 16
015,0	10 to 23
020,0	14 to 27
025,0	18 to 31
030,0	20 to 42
040,0	30 to 54
050,0	40 to 66

Cutting

GREMFLEX® HAR-1 can be cut to length.

Packaging

Available in spool, coils or cut pieces (on request).
Other packaging or diameter available upon request.

Property	Values	Test Methods	
Physical	Working temperature	-50°C to +150°C	
	Peak temperature	+160°C	
	Flammability	Self extinguishing	FMVSS 302
		Type B	D45 1333
	Smoke toxicity	Halogen free	-
	Abrasion resistance	CAT C4	34-04-166/B & D44 1959 RSA
Chemical	Fluid resistance	Unaffected by most chemicals	
		D47 1924	

