

FT990

TECHNICAL DATA SHEET

FT 990 is a flexible, dual wall, polyolefin heat-shrinkable tubing, with marking, developed for the automotive industry for sealing metal pipes in vehicles against environmental influences such as corrosion, abrasion and impact damage.

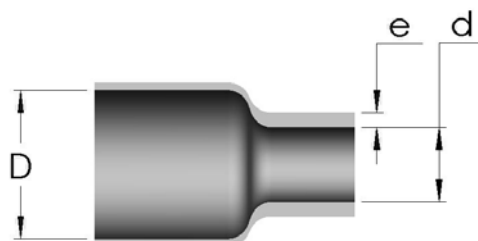
Material: Irradiated polyolefin outer jacket and thin meltable adhesive inner liner.

Fields of application: Pipe protection against corrosion and other environmental influences in exposed areas under vehicles. Especially for brake, fuel and hydraulic pipes.

Working temperature -55°C up to +110°C

Standard colour Black.

Non-standard colours Upon request.



DIMENSION DATA

Reference	Inside diameter (mm)		Wall thickness after recovery (mm)	
	As supplied mini. (D)	After recovery maxi. (d)	Total thickness	Inner liner
FT990 320	3,2	1,6	0,70	0,20
FT990 480	4,8	2,4	0,70	0,20
FT990 640	6,4	3,2	0,75	0,20
FT990 950	9,5	4,8	0,75	0,20
FT990 1270	12,7	6,4	0,75	0,20
FT990 1900	19,0	9,5	0,90	0,20
FT990 2540	25,4	12,7	1,10	0,20

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TECHNICAL CHARACTERISTICS:

	Standard Requirements	Test Methods
PHYSICAL		
Working temperature	-55°C up to +110°C	
Shrink temperature	+110°C	
Shrink ratio	2 : 1	
Longitudinal change	+1% -15%	SAE-AMS-DTL-23053
Elongation at break	200% mini.	UL 224
Tensile strength	10,3 MPa mini.	UL 224
Elongation after heat ageing (168h at +158°C)	100% mini.	UL 224
Low temperature flexibility (1h at -10°C)	No cracking	UL 224
Flammability (60s maxi.)	Self-extinguishing	UL 224, CSA
Secant modulus (2%)	173 MPa maxi.	UL 224
ELECTRICAL		
Dielectric strength	19,7 kV/mm mini.	ASTM D 876
Volume resistivity	1x10 ¹⁴ Ω cm mini.	ASTM D 876
CHEMICAL		
Fluid resistance (After 24h immersion at +23°C)	6,2 MPa mini.	SAE-AMS-DTL-23053
CUTTING		
Upon request.		
MARKING		
CSA HS X PO MELTABLE LINER 125C# SUMITOMO-K SUMITUBE 02F2 841 125C.		
PACKAGING		
Coil.		
SPECIFICATIONS		
UL224 125°C 600V.		
CSA C 22.2 N°198.1 1986 125°C 600 V.		

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.