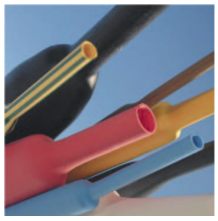
TECHNICAL DATA SHEET
SFTW-202A



Base material **Polyolefin.**

Color **Standard and special colors**

Typical Properties

Physical	Value	Standard	Test Method
Shrink ratio	2:1		
Tensile strength	18 N/mm^2 min.	VG 95343-5 type A	VG 95343-5 5.5
Elongation at break	400 % min.	VG 95343-5 type A	VG 95343-5 5.7
Longitudinal change	+3/ -3 %	VG 95343-5 type A	VG 95343-5 5.3
Concentricity	70 % min.	VG 95343-5 type A	VG 95343-5 5.2
Secant Modulus	75 N/mm^2	VG 95343-5 type A	VG 95343-5 5.6
Relative Density	1.29 g/cm^3		
Water Absorption	< 0.5 %	VG 95343-5 type A	VG 95343-5 5.22

Thermal	Value	Standard	Test Method
Continuous Operating Temperature	-55℃ to +135℃		
Shrink Temperature	110℃ min. 280 ℃ max.		
Heat Shock 200 °C / 4 hrs	200 °C/168 hrs	VG 95343-5 type A	VG 95343-5 5.9
Tensile strength	10N/mm^2 min.	VG 95343-5 type A	VG 95343-5 5.9.3
Elongation at break	200% min.	VG 95343-5 type A	VG 95343-5 5.9.2
Heat Aging 150 °C / 168 hrs	158 °C/168 hrs	VG 95343-5 type A	VG 95343-5 5.10
Elongation at break	350 % min.	VG 95343-5 type A	VG 95343-5 5.10.3
Low Temperature Flexibility	No cracking after bending	VG 95343-5 type A	VG 95343-5 5.8
Copper Corrosion	No corrosion	VG 95343-5 type A	VG 95343-5 5.11
Flammability	Self extinguishing	VG 95343-5 type A	VG 95343-5 5.12

Electrical	Value	Standard	Test Method
Dielectric Strength	200 kV/cm	VG 95343-5 type A	VG 95343-5 5.15
Volume resistivity	1*10 ^{15} Ohm/cm	VG 95343-5 type A	VG 95343-5 5.14

Chemical	Value	Standard	Test Method
Chemical Resistance	Good	VG 95343-5 type A	VG 95343-5 5.19

Environmental	Value	Standard	Test Method
Halogen free	No	BS 6853	N/a
Fungus growth	No ingrowth		ISO 846
RoHS compliant	Yes	2002/95/EEC Incl. Exemption Oct. 13, 2005 EU 2005/717/EC	N/a
Decabromo diphenylether (PBDE) Free	No		N/a

Technical Information provided consists of typical product data and should not be used for specification purposes.
Unless otherwise specified in the test method, all tests are performed at room temperature.

Important note to the purchaser.
All statements, technical information and recommendations contained herein are based on tests 3M believes to be reliable, but their accuracy and completeness are not guaranteed.
The user shall be responsible for determining the suitability of the products for his particular application.
To discuss your application requirements please contact your representative

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Documentation
UL-224 125°C 600 V, File E48398
Bundesamt für Wehrtehnik und Beschaffung (BWB) certificate K16/99085
VDE certificate 94972
Det Norske Veritas Certificate E-6933
SAE-AMS-DTL 23053/5 class 1
IEC 60684-3-212 type A
PANAVIA PAN 6493

Product Guide - Table 1

Part Number	Expanded ID (min.) mm.		Recovered ID (max.) mm.		Total Recovered Wall Thickness (nominal) mm.		Recovered Adhesive Wall Thickness (nominal) mm.	
1.2	1.2		0.6		0.4			
1.6	1.6		0.8		0.4			
2.4	2.4		1.2		0.5			
3.2	3.2		1.6		0.5			
4.8	4.8		2.4		0.5			
6.4	6.4		3.2		0.6			
9.5	9.5		4.8		0.6			
12.7	12.7		6.4		0.6			
19.0	19.0		9.5		0.8			
25.4	25.4		12.7		0.9			
38.0	38.0		19.0		1.0			
51.0	51.0		25.4		1.1			
76.0	76.0		38.0		1.3			
102.0	102.0		51.0		1.4			

Storage Conditions

IMDS ID **2610932/6**

Temperature: min. -50 °C
max. +50 °C

Moisture: max. 75 %

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