



TECHNICAL DATA SHEET

SFTW-203

Base material

Polyolefin

Color

Black

Typical Properties

Physical	Value	Standard	Test Method
Shrink ratio	3:1		
Tensile strength	18 N/mm ² min.	-	IEC 60684-2-19
Elongation at break	400 % min.	-	IEC 60684-2-19
Longitudinal change	+0/ -5 %	-	IEC 60684-2-9
Concentricity	70 % min.	-	IEC 60684-2-3
Secant Modulus	100 N/mm ² min.	-	IEC 60684-2-37
Relative Density	1.29 g/cm ³	-	IEC 60684-2-4

Thermal	Value	Standard	Test Method
Continuous Operating Temperature	-55°C to +135°C	-	IEC 60684-2-37
Shrink Temperature	110°C min.		
Heat Shock		-	IEC 60684-2-6
Tensile strength	18 N/mm ² min.	-	IEC 60684-2-19
Elongation at break	400 % min.	-	IEC 60684-2-19
Heat Aging		-	IEC 60684-2-39
Elongation at break	350 % min.	-	IEC 60684-2-19
Low Temperature Flexibility	No cracking after bending	-	IEC 60684-2-14
Copper Corrosion	No corrosion	-	IEC 60684-2-33
Flammability	Self extinguishing	-	IEC 60684-2-26

Electrical	Value	Standard	Test Method
Dielectric Strength	300 kV/cm	-	IEC 60684-2-21
Volume resistivity	1*10 ¹⁵ Ohm/cm	-	IEC 60684-2-23

Chemical	Value	Standard	Test Method
Chemical Resistance	Good	-	IEC 60684-2-36

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.

Documentation

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

Issue date
Replacing
Page 1 of



TECHNICAL DATA SHEET
SFTW-203

Product Guide - Table 1

Part Number	Expanded ID (min.)		Recovered ID (max.)		Total Recovered Wall Thickness (nominal)		Recovered Adhesive Wall Thickness (nominal)	
	mm.		mm.		mm.		mm.	
1.5	1.5		0.5		0.45			
3.0	3.0		1.0		0.55			
6.0	6.0		2.0		0.65			
9.0	9.0		3.0		0.75			
12.0	12.0		4.0		0.75			
18.0	18.0		6.0		0.75			
24.0	24.0		8.0		1.00			
39.0	39.0		13.0		1.15			

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

Issue date
Replacing
Page 1 of