



TECHNICAL DATA SHEET

MDT-A

Base material

Polyolefin with hot melt adhesive

Color

Black

Typical Properties

Physical	Value	Standard	Test Method
Shrink ratio	Up to 4.5:1		
Tensile strength	19 N/mm ² min.	-	IEC 60684-2-19
Elongation at break	500 % min.	-	IEC 60684-2-19
Longitudinal change	+0% to -10 %	-	IEC 60684-2-9
Concentricity	50 % min.	-	IEC 60684-2-3
Secant Modulus	100 N/mm ²	-	IEC 60684-2-37
Relative Density	1.01 g/cm ³	-	IEC 60684-2-4

Thermal	Value	Standard	Test Method
Continuous Operating Temperature	-35°C to +130°C	-	IEC 60684-2-37
Shrink Temperature	135°C min.		
Heat Shock		-	IEC 60684-2-6
Tensile strength	N/mm ² min.	-	IEC 60684-2-19
Elongation at break	% min.	-	IEC 60684-2-19
Heat Aging		-	IEC 60684-2-39
Elongation at break	450 % 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	110 kV/cm	-	IEC 60684-2-21
Volume resistivity	1*10 ⁻¹³ 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

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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.	
12.0	12.0		3.0		2.5		0.7	
19.0	19.0		6.0		3.3		0.8	
27.0	27.0		8.0		3.3		0.8	
32.0	32.0		7.5		3.3		0.8	
38.0	38.0		12.0		3.3		0.8	
50.0	50.0		18.0		3.3		0.8	
70.0	70.0		26.0		3.3		0.8	
90.0	90.0		36.0		3.3		0.8	
120.0	120.0		40.0		3.3		0.8	

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