



# Certificate of Analysis

**HISCO INC****7000 BURLESON RD BLDG A, STE 100****AUSTIN TX 78744-3202****USA****3M Company****3M Center****ST. PAUL MN 55144****USA****Date certificate is prepared:****23-DEC-2024**

The 3M product listed below was produced in accordance with standard manufacturing processes for the product in effect at the time of manufacture and is certified to meet the specifications displayed below.

<b>3M Delivery Number</b> 8099361177	<b>Customer PO Number</b> 242316	<b>Customer part No</b>
<b>3M Stock Number</b> 7000133575	<b>GTIN Number</b> 00051128597217	<b>3M's Legacy 11 -digit Stock Number</b> 80611473820
<b>Product Description :</b> 3M™ Heat Shrink Flexible Polyolefin Tubing EPS200-1/4-48"-Black-12 Pcs 48 in length sticks, 12 pieces, 12/Case		
<b>Additional Product Information :</b> SAE-AS23053, M23053/4-201-0		

**Batch Identifier:** 11351192**Date of Manufacture:** 04-OCT-2024**Expiry Date:**

04-OCT-2034

**Final Manufacturing Location:**

1009 3M Chelmsford

<b>Test Property</b>	<b>Min. Spec</b>	<b>Max. Spec</b>	<b>Unit</b>	<b>Result/Average</b>	<b>Inspection Method</b>
Expanded ID (Minimum)	0.250		Inch	0.260	AS 23053, 5.16
Concentricity	50.000		%	66.000	WI-04-170227 (WI.QAP.001)
Rec Wall Thickness (Range)	0.024	0.034	Inch	0.033	WI-04-170227 (WI.QAP.001)
Longitudinal Change	-10.000	1.000	%	-7.000	WI-04-170234 (WI.QAP.003)
Color (MIL STD 104)				Pass	MIL Std 104
Tensile Strength (Min 1500 PSI)				Pass	AS 23053, 5.13
% Elongation (Min 200%)				Pass	AS 23053, 5.13
Heat Shock (No crack, drip, flow)				Pass	AS 23053, 5.8

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Page 2 of 2

3M Stock Number 7000133575 3M™ Heat Shrink Flexible Polyolefin Tubing EPS200-1/4-48"-Black-12 Pcs,  
48 in length sticks, 12 pieces, 12/Case

Secant Modulus (Max 25,000  
PSI)

Pass AS 23053, 5.12.1

Flammability

Pass ASTM D2671

**Please contact your 3M Customer Service Representative if you have any questions.**

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