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3M

PTFE Glass Cloth Tape

5451

Product Description 3M™ PTFE Glass Cloth Tape 5451 has a silicone adhesive which provides a high temperature release surface for protection and insulation.

Product Construction	Backing	Adhesive	Color
	Woven glass cloth impregnated with PTFE (polytetrafluoroethylene)	Silicone	Brown

Typical Physical Properties Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
3M tape 5451		
Adhesion to Steel:	28 oz./in. width (30.6 N/100 mm)	D-3330
Tensile Strength:	100 lbs./in. width (1760 N/100 mm)	D-3759
Backing Thickness:	3.2 mils (0.08 mm)	D-3652
Total Tape Thickness:	5.6 mils (0.14 mm)	D-3652
Temperature Use Range:	-100° to 400°F (-73° to 204°C)	

- Features**
- Moisture absorption is close to zero, allowing performance in many humid environments.
 - The reinforcement provided by the woven glass cloth fabric base adds tensile strength and resistance to tear and puncture in comparison to typical PTFE film backed tapes.

CAUTION: When PTFE film tape is exposed to temperatures above 400°F (204°C), small quantities of hazardous vapors may be released. INHALATION OF THESE VAPORS MAY BE HARMFUL OR MAY CAUSE RESPIRATORY TRACT IRRITATION. Do not heat or expose PTFE film tape to temperatures above 400°F (204°C).



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Application Ideas

- Easy-release surface on packaging and heat sealing machines, ironing and pressing equipment.
- Release surface on bonding tools.
- Lining conveying chutes, troughs and ducts.
- Covering rollers, drums, tumblers and formers on stitchers, binders and other process machinery.

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture.