

Technical data sheet



Product: 5480

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

Download: 30.04.2026

3M 5480 PTFE PLASTIC FILM TAPE

This data sheet was provided to you by Tewipack Uhl GmbH. The company tewipack Uhl GmbH assumes no responsibility for the topicality and the Accuracy of the information contained. The properties of the products can vary due to various influences such as composition and condition of the Substrate, impurities in or on the substrate, temperature and humidity at the Change storage and environmental conditions during use. Using this product in combination with other material, the customer is responsible for to check through our own tests whether the product is suitable for the planned combination and whether this combination delivers the expected results

Tewipack Uhl GmbH
Industriestraße 15
D-75382 Althengstett

Telephone:
+49(0)7051/9297-0
Fax:
+49(0)7051/9297-99

E-Mail:
info@tewipack.de
Website:
www.tewipack.de

Managing director:
Alexander Uhl,
Michael Uhl
HRB 330424
Amtsgericht
Stuttgart

Bank details:
Sparkasse
Sindelfingen
Pforzheim
Calw
BLZ 666 500
85
Konto 17 787

Commerzbank
Sindelfingen
BLZ 603 400 71
Konto 8 001 166

Vereinigte
Volksbank AG
Böblingen
BLZ 603 900 00
Konto 80 089
003

Postbank
Stuttgart
BLZ 600 100
70
Konto 146
294 708



5480 "PTFE" Plastic Film Tape

Product Data Sheet

Updated : September 2022
Supersedes : March 1996

Product Description

A low friction film which is resistant to wear. The skived (or shaved) film is more suitable for the more conformable applications such as spirally wrapping rollers.

5480 is thinner than 5481 and is more suited to applications requiring more conformability or lighter duty applications.

Physical Properties

Not for specification purposes

Adhesive Type	Silicone (pressure-sensitive)	
Backing	Skived film made of DuPont's PTFE (Polytetrafluorethylene) film.	
Film Thickness (ASTM D-3652)	50 µm	
Total Thickness	96 µm	
Tape Colour	Brown	
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance

Characteristics

Not for specification purposes

Adhesion to Stainless Steel ASTM D-3330	2.2 N/10mm	
Tensile Strength ASTM D-3759	47.3 N/10mm	
Elongation at Break ASTM D-3759	140 %	
Temperature Range Maximum Minimum	204 °C -54 °C	

Additional Product Information

No. 5480 is a skived "Teflon" Film Tape developed to extend the service life as a release surface on rubber laminating rolls on hot polyethylene extruders.

Age life of 5480 is excellent with no noticeable deterioration after normal storage of one year. Applied tape can be considered permanent if inherent limits of the backing or adhesive are not exceeded.

CAUTION

The characteristics of "Teflon" film are such that at temperatures above 204°C the film gives off small quantities of toxic fumes. Therefore, when using 3M "Teflon" Tapes above 204°C adequate ventilation must be provided.

Application Techniques	To prevent wrinkling or bubbling of the backing on "Teflon" film tapes when subjected to temperature above 120°C, pre-heat the surface the tape will be applied to. Pre-heat the surface to at least 65°C (preferred 80°C) to obtain the best results.	While always ensuring surface is dry, clean and with no loose surface. Firm even pressure should always be applied.
-------------------------------	--	---

Applications	Easy release surface provided by wrapping rollers, plates, belts, etc., where build-up of sticky materials, ink and paints normally occur.	Chemical resistant surface provided by lining hoods, bins, chutes and wrapping pipes, cables, conduit etc.
---------------------	--	--

FEATURES	ADVANTAGES	BENEFITS
Skived "Teflon" Film.	Elastic memory. Cross directional strength. Anti-stick, low friction. Resistant to chemicals, solvents, salts.	Higher productivity. Reduces maintenance and equipment replacement costs.
Silicone adhesive.	Performs at high temperatures. Removes cleanly.	High productivity. Reduces clean-up.

Automotive Disclaimer Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, including, but not limited to, automotive electric powertrain battery or high voltage applications. This product does not fully adhere to typical automotive design or quality system requirements, such as IATF 16949 or VDA 6.3. This product may not be manufactured in an IATF certified facility and may not meet a Ppk of 1.33 for all properties. The product may not undergo an automotive production part approval process (PPAP). Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's automotive application and for conducting incoming inspections before use of the product. Failure to do so may result in injury, death, and/or harm to property. No written or verbal statement, report, data or recommendation by 3M related to automotive use of the product shall have any force or effect unless in an agreement signed by the Technical Director of 3M's Automotive Division. Customer assumes all responsibility and risk if customer chooses to use this product in an automotive electric powertrain battery or high voltage application, and 3M will

not be liable for any loss or damage arising from or related to the 3M product or customer's use of the product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity or recall costs), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability. In no event shall 3M be liable for any damages in excess of the purchase price paid for the product.

NOTWITHSTANDING ANY OTHER STATEMENT TO THE CONTRARY, 3M MAKES NO REPRESENTATIONS, WARRANTIES OR CONDITIONS WHATSOEVER, EXPRESS OR IMPLIED, REGARDING THE PRODUCT IF USED IN AN AUTOMOTIVE ELECTRIC POWERTRAIN BATTERY OR HIGH VOLTAGE APPLICATION, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY ON PERFORMANCE, LONGEVITY, SUITABILITY, COMPATIBILITY, OR INTEROPERABILITY, OR ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.

3M is a trademark of the 3M Company.
"Teflon" is a trademark of DuPont.

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

3M is a trademark of the 3M Company.

3M

3M Svenska AB
Industri
Bollstanäsvägen 3
191 89 Sollentuna
Tel: 08-92 22 50
Fax: 08-92 22 88
E-post: kundservice@mmm.com
www.3M.se/tejp