

Substrate-free double-sided adhesive tape for oil surface

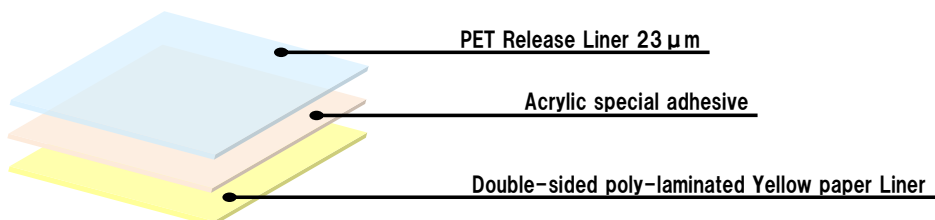
SFA-405 OS

SFA-410 OS

Outline

SFA-405 OS , SFA-410 OS are substrate-free double-sided adhesive tapes for oil surfaces.
Superior adhesion to oily surfaces compared to general double-coated adhesive tapes.
Excellent adhesion to various adherends.
It has strong adhesive strength to PP (polypropylene) , which is generally considered difficult to stick to.

Structure



Product Name	Tape Thickness (μ m)
SFA-405 OS	50
SFA-410 OS	100

Properties

◆Adhesive strength

			Measured value		
			SFA-405 OS	SFA-410 OS	Our general substrate-free double-sided adhesive tape 50 μ m
Adhesive Strength (N/25mm)	SUS (# 360 Polishing)	20min.	22.4	24.3 cf	14.1
		24Hrs.	29.1	30.7 at	19.7
	Aluminum	20min.	12.6	16.8	10.4
		24Hrs.	17.2	30.7 at	14.5
	ABS	20min.	16.7	18.5	11.6
		24Hrs.	28.4 cf	31.5 at	15.0
	PP	20min.	19.9	28.3 cf	12.9
		24Hrs.	29.4 cf	31.0 at	13.3

【Test method】

•JIS Z1528

•Peel Speed 300mm/min

•Test condition 23°C・50%RH

•Peeling angle 180°

•Lining material: PET#25

cf: Cohesive failure
at: Adhesive transfers

Properties

◆Holding Power

		Measured value	
		SFA-405 OS	SFA-410 OS
mm/50000sec	40°C	0.1	0.3

【Test method】

- Load 1kg •25mm×25mm •Substrate:Stainless steel (Polished with # 360)
- Lining material: PET#25

◆Ball Tack

	Measured value	
	SFA-405 OS	SFA-410 OS
Ball Tack (No.)	11	13

【Test method】

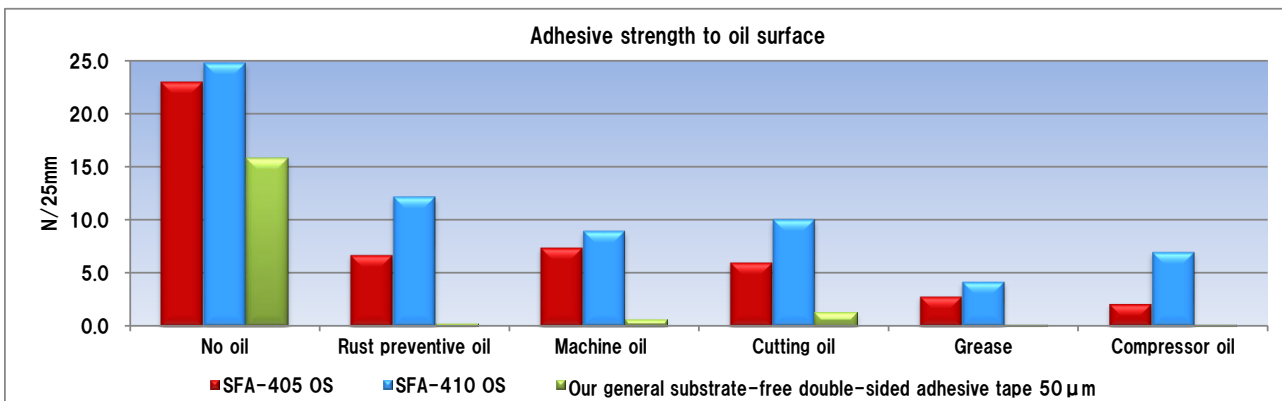
- J.DOW Method (23°C)

◆Adhesive strength to oil surface

		Measured value		
		SFA-405 OS	SFA-410 OS	Our general substrate-free double-sided adhesive tape 50 μm
Adhesive Strength (N/25mm)	No oil	23.0	24.8 cf	15.8
	Rust preventive oil	6.7	12.2	0.2
	Machine oil	7.4	9.0	0.6
	Cutting oil	6.0	10.1	1.3
	Grease	2.8	4.2	<0.1
	Compressor oil	2.1	7.0	0.1

【Test method】

- Amount of coating oil: 5g/m² •Substrate:Stainless steel (Polished with # 360)
- Lining material: PET#25 •Lamination Method: 1 round trip with 2Kg rubber rolle
- Tensile angle:180° •Measurement environment: 23°C 50%RH
- Peel Speed 300mm/min •Aging condition: 23°C 50%RHx30min



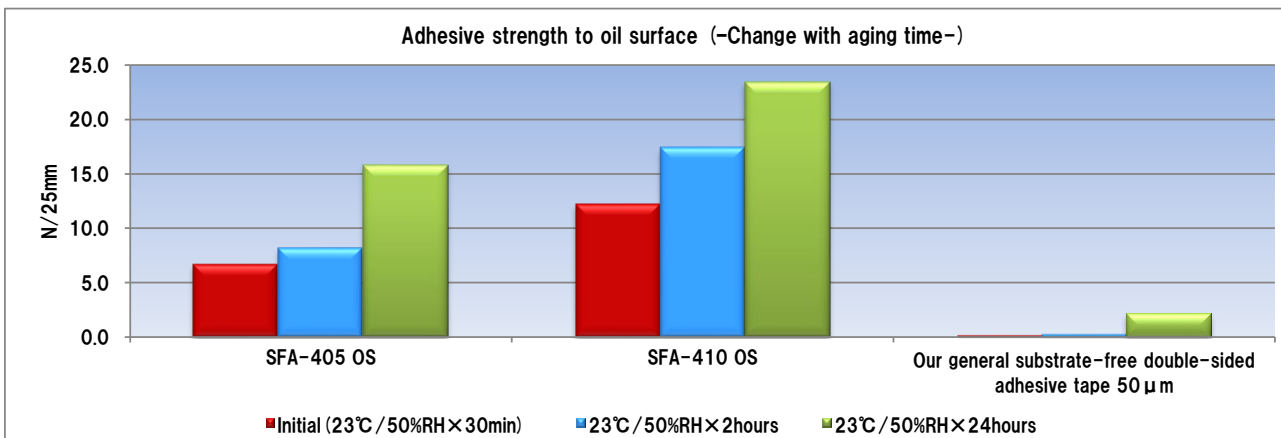
Properties

◆Adhesive strength to oil surface (-Change with aging time-)

		Measured value		
		SFA-405 OS	SFA-410 OS	Our general substrate-free double-sided adhesive tape 50 μm
Adhesive Strength (N/25mm)	Initial (23°C/50%RH×30min)	6.7	12.2	0.2
	23°C/50%RH×2hours	8.2	17.4	0.3
	23°C/50%RH×24hours	15.8	23.4 cf	2.2

【 Test method 】

- Amount of coating oil: 5g/m²
- Oil type: Rust preventive oil
- Lining material: PET#25
- Tensile angle:180°
- Peel Speed 300mm/min
- Substrate:Stainless steel (Polished with # 360)
- Lamination Method: 1 round trip with 2Kg rubber rolle
- Measurement environment: 23°C50%RH
- Aging condition: See table at left.



Notices

- Attach after wiping off oily, dusty and moisture substances on the surface of the adherend you may use.
 Give an enough pressure when attaching, under the temperature condition over 10°C as possible.
 Store it in a cool, dark place away from direct sunlight.
 These data are representative so as not to guarantee for your conditions,nor do they for the wide range of each application described in this technical information.
 Examining the compatibility of the adherend material with our product in advance, make a decision of starting to use.
 Such as know-hows contained in this document, trade secrets, copyrights, and patents,each of all intellectual property's rights belongs only to our company.
 Any copies, reprints, reproductions and disclosing any part of this document to a third party are prohibited without our prior approval.
 All information and data in here should be used as a guide.
 They do not constitute a warranty of any kind by NEION Film Coatings Corp.