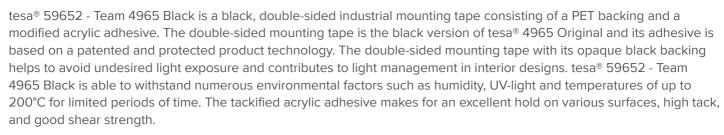


# tesa® 59652 - Team 4965 Black

#### **Product Information**

205µm / 8.1 mils double sided PET black film tape

## **Product Description**



Several products are equipped with this unique and high performing product design and together these products make up Team 4965. This double-sided film tape assortment helps to easily select the most efficient tape based on customer demands, products, and processes. Explore the benefits of the full tesa® 4965 assortment here:

https://www.tesa.com/en-us/industry/general-applications/mounting/team-4965-assortment

#### **Product Features**

- Opaque black backing with light-blocking properties
- · Reliable bond even on low surface energy surfaces
- · Immediate usability right after assembly
- Black color for automatic pick-and-place processes
- High resistance to demanding environmental conditions

#### **Application Fields**

- tesa® 59652 Team 4965 Black contributes to light management in interior designs
- · LED strip mounting
- · Mounting of lenses and cushioning foams in cellular phones
- · Optical detection splicing
- Mounting of exterior car mirrors in the automotive industry





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### **Product Information**

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

### **Product Construction**

•	Backing	PET film	•	Color	black
•	Type of adhesive	tackified acrylic	•	Color of liner	brown/blue logo
•	Type of liner	paper	•	Thickness of liner	69 μm
•	Total thickness	205 μm			2.7 mils
		8.1 mils	•	Weight of liner	80 g/m <sup>2</sup>

### **Properties/Performance Values**

<ul><li> Elongation at break</li><li> Tensile strength</li></ul>	50 % 20 N/cm 11.4 lbs/in	<ul><li>Static shear resistance at 23°C</li><li>Static shear resistance at 40°C</li><li>Tack</li></ul>	very good very good good
Ageing resistance (UV)	good	Temperature resistance long	100 °C
<ul> <li>Chemical Resistance</li> </ul>	good	term	212 °F
<ul> <li>Humidity resistance</li> </ul>	very good	<ul> <li>Temperature resistance min.</li> </ul>	-40 °C
<ul> <li>Softener resistance</li> </ul>	good		-40 °F
		<ul> <li>Temperature resistance short</li> </ul>	200 °C
		term	392 °F

### Adhesion to Values

<ul> <li>ABS (initial)</li> </ul>	10.8 N/cm	<ul> <li>PET (after 14 days)</li> </ul>	11.9 N/cm
	98.7 oz/in		108.7 oz/in
<ul> <li>ABS (after 14 days)</li> </ul>	11.9 N/cm	<ul> <li>PP (after 14 days)</li> </ul>	8.8 N/cm
	108.7 oz/in		80.4 oz/in
<ul> <li>Aluminium (initial)</li> </ul>	10.2 N/cm	<ul> <li>PP (covered side, initial)</li> </ul>	6 N/cm
	93.2 oz/in		54.8 oz/in
<ul> <li>Aluminium (after 14 days)</li> </ul>	12.6 N/cm	<ul> <li>PS (initial)</li> </ul>	10.4 N/cm
	115.1 oz/in		95 oz/in
<ul> <li>PC (initial)</li> </ul>	12.2 N/cm	<ul> <li>PS (after 14 days)</li> </ul>	12.1 N/cm
	111.5 oz/in		110.5 oz/in
<ul> <li>PC (after 14 days)</li> </ul>	13.4 N/cm	<ul> <li>PVC (initial)</li> </ul>	9.6 N/cm
	122.4 oz/in		87.7 oz/in
<ul> <li>PE (initial)</li> </ul>	5.6 N/cm	<ul> <li>PVC (after 14 days)</li> </ul>	12.8 N/cm
	51.2 oz/in		116.9 oz/in
<ul> <li>PE (after 14 days)</li> </ul>	6.6 N/cm	<ul> <li>Steel (initial)</li> </ul>	11.5 N/cm
	60.3 oz/in		105.1 oz/in
<ul> <li>PET (initial)</li> </ul>	9.8 N/cm	<ul> <li>Steel (after 14 days)</li> </ul>	14 N/cm
	89.5 oz/in		127.9 oz/in
	00.0 02/111		127.0 02/111



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### **Product Information**

#### **Additional Information**

Liner variant:

PV20: branded brown paper liner (69µm / 2.7 mils; 80g/m²)

#### Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

