

A large roll of black adhesive foam tape is the central focus of the image. The roll is thick and has a textured, porous surface. A circular hole in the center of the roll reveals the inner core, which is wrapped in a red and blue patterned paper with the "tesa" logo repeated. The roll is positioned in the foreground, slightly to the left, and is set against a blurred background of industrial equipment, possibly a factory or warehouse setting.

Adhesive foam tapes

tesa® tapes for sealing, gap filling,
and damping applications

A decorative horizontal bar at the bottom of the page, consisting of a red segment on the left and a blue segment on the right.



Our foam tapes

For ensuring a reliable seal, time and time again

tesa is a global leader in the manufacturing of adhesive solutions. With over 125 years of experience and a footprint in over 100 countries, tesa has a long standing history of delivering German engineered quality in each and every product. Our long history of success is based on more than just innovative ideas, quality and technological progress. Influential factors also include taking responsibility for people and the environment, with our goal to protect ecological resources and to practice social responsibility in order to have a positive influence on the society in which we live.

tesa® adhesive foam tapes

tesa® Adhesive foam tapes are designed for a variety of sealing and damping applications, and are widely used across many industries.

Our foam tape can be used to seal out moisture, dust, draughts, fumes, light and insects, eliminate or reduce noise and vibration, provide impact resistance, cushioning and protection, or even dissipate stress on various assembled components.

Our comprehensive range has been designed to solve even the most challenging applications, with solutions that offer various features including high conformability, abrasion resistance, extreme environmental resistance and petrochemical resistance.

On top of this, our range includes options that are certified to meet many global and industry standards across flame retardancy, food and water compatibility.

tesa® 476 PU

Polyurethane open cell single sided foam

tesa® 749 PE

Cost effective single sided & closed cell permanent sealing solution

tesa® 647 PVC

High density single sided & closed cell PVC foam for rough & uneven surfaces

tesa® 648 PVC D/S

High density double sided & closed cell PVC foam

tesa® 5060 PVC Nitrile

Abrasion resistant single sided & closed cell foam for long term durability

tesa® 667 EPDM

High-performance single sided & closed cell foam for extreme environments

tesa® 6111 Neoprene

High performing petrochemical & oil resistant single sided & closed cell foam

tesa® 476 PU

Polyurethane open cell single sided foam



Product description

tesa® 476 PU Series is a polyurethane open cell foam tape with an acrylic adhesive on one side. The open cell foam makes it suitable for sealing from dust and draft, while the acrylic adhesive allows for easy application to various surface materials.

tesa® 476 Series foam tape is soft and highly conformable, and suitable for use on uneven surfaces. The polyurethane foam also helps to absorb sound and dampen vibrations.

Product features

- Foam compresses easily, is highly conformable and recovers quickly
- Foam will absorb sound and dampen vibration
- Adheres easily to a wide variety of surfaces
- Can be used to produce die cut pads and gaskets

Applications

tesa® 476 Series foam tape is a cost effective solution for a variety of sealing applications in the concreting and general industrial market.

Other application includes:

- Draught and dust sealing on doors and windows
- Sealing concrete form work
- Sealing and noise dampening between office partitions and walls or ceilings
- Vibration dampening in appliances
- Dust and insect filter on lights



Product details

Attribute	Value
Backing Material	PU open cell foam
Colours	Grey
Adhesive Type	Acrylic
Thickness	4761 - 3mm 4763 - 6mm 4766 - 12mm
Tape Widths Available	9mm to 1220mm



Technical properties**

Attribute	Value
Adhesion to Steel	2.4 N/cm
Compression Set at 50%	20%
Elongation at Break	100%
Temperature Resistance	-10 °C to 80°C
Foam Density	27Kg/m3
Tensile Strength	75 Kpa

For more Technical information on other tape thicknesses, please refer to our website.

**Foam only.

tesa® 749 PE

Cost effective single sided & closed cell permanent sealing solution



Product description

tesa® 749 Series foam tape consists of a closed cell polyethylene foam backing with an acrylic adhesive on one side. The foam is irradiation cross-linked to ensure consistent high-quality.

The closed cell foam makes it suitable for sealing out dust and water, while the acrylic adhesive allows for easy application to various surface materials. The foam tape will not contaminate food or water. It is flame retardant (FMVSS 302) for thicknesses greater than 7mm.

Product features

- Balance of cost-effective PE backing without compromising on quality
- Resistant to weathering, ageing and fungi
- High-tack acrylic adhesive offers a permanent bond
- Food and water compatible
- Resistant to oil, petrol, solvents and many chemicals

Certification

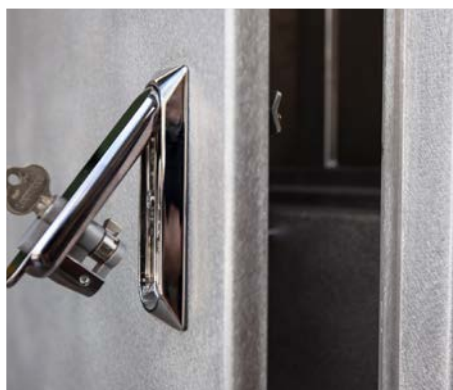
- Food and water compatible (complies with FDA CFR 177.1520, CFR 178.3010, CFR 177.1210)
- REACH & RoHS Compliant
- Flame retardancy >7mm (FMVSS 302)

Applications

tesa® 749 Series foam tape is a cost effective solution for a variety of sealing applications in the concreting and general industrial market.

Other application includes:

- Draught and water sealing
- Sealing concrete form work
- Sealing electrical enclosures
- Sealing between the canopy and tray in recreational vehicle



Product details

Attribute	Value
Backing Material	Irradiation cross-linked closed cell PE foam
Colours	Grey
Adhesive Type	Acrylic
Tape Thicknesses	7492 - 3mm 7493 - 6mm 7494 - 10mm 7495 - 12mm
Tape Widths Available	6mm to 1220mm

Technical properties

Attribute	Value	Testing Standard/Information
Nominal Density	33 kg/m ³	
Force to Compress 25%	0.35 kg/cm ²	
Compression Set at 25%	6.5%	JIS K6767
Tensile Strength	40 N/cm ²	JIS K6767
Elongation at Break	175%	JIS 6767
Water Absorption	0.07 mg/cm ²	JIS K6767
Water Tightness	100% at 10% compression	
Thermal Conductivity	0.035 W/mk	ASTM C518
Flammability	All thicknesses greater than 7mm are flame retardant	FMVSS 302
Temperature Resistance	-80°C to 80°C	

For more Technical information on other tape thicknesses, please refer to our website.



tesa® 647 PVC

High density single sided & closed cell PVC foam for rough & uneven surfaces

Product description



tesa® 647 series high density PVC closed cell single sided foam tape. The closed cell foam can create a waterproof barrier when compressed, while the PVC foam is flexible and dense to help seal uneven surfaces. Ideal for use in the glazing market.

Product features

- Adheres to wide variety of surfaces
- Provides an optimal seal against water and dust when compressed
- Does not contaminate drinking water- AS/NZS 4020 compliant
- Resistant to moisture and UV
- Foam backing will absorb sound and dampen vibration
- High density foam excellent for die cutting and gaskets

Applications

tesa® 647 Series foam tape is ideal for use in glazing, marine and transportation type applications, including bus, truck and caravan manufacturing.

Other application includes:

- Sealing between glass and aluminum in windows
- Sealing the corners of aluminum window frames
- Sealing between panels in trucks and buses
- Sealing externally mounted air conditioning fan units on walls and roofs
- Sealing electrical access panels on industrial machinery
- Sealing electrical housings, enclosures and cabinet doors

Certification

- REACH & RoHS Compliant



Product details

Attribute	Value
Backing Material	PVC closed cell foam
Colours	Black
Adhesive Type	Acrylic
Tape Thicknesses	64701 - 1.6mm 64703 - 3.2mm 64706 - 6.4mm
Tape Widths Available	9mm to 1020mm



Technical properties**

	64701	64703	64706	
Attribute	Value	Value	Value	Testing Standard/ Information
Adhesion to Steel	6.5 N/cm	6.5 N/cm	6.5 N/cm	ASTM D3330
Nominal Density	220 kg/m ³	180 kg/m ³	180 kg/m ³	ASTM D792
Hardness Shore 00	60	35	35	ASTM D2240
Force to Compress at 25%	60 kPa	35 kPa	30 kPa	ASTM D1056
Tensile Strength	9 N/cm	10 N/cm	20 N/cm	ASTM D412
Elongation at Break	120%	130%	130%	ASTM D412
Water Tightness	100% at 30% Compression	100% at 40% Compression	100% at 40% Compression	
Flame resistance	No	Pass	Pass	FM VSS302
REACH	Yes	No	No	
RoHs	Yes	Yes	Yes	
Temperature Resistance	90°C	90°C	90°C	
Thermal Conductivity	0.035 W/m.K	0.035 W/m.K	0.035 W/m.K	

**Foam only.
For more Technical information on other tape thicknesses, please refer to our website.

tesa® 648 PVC D/S

High density double sided & closed cell PVC foam

Product description



tesa® 648 Series foam tape consists of a closed cell polyvinyl chloride (PVC) foam backing with a double sided acrylic adhesive. The closed cell foam can create a waterproof barrier when compressed, while the PVC foam is flexible and dense to help seal uneven surfaces. This is an ideal choice for sealing applications in the glazing market.

Product features

- Adheres to wide variety of surfaces
- Provides an optimal seal against water and dust when compressed
- Resistant to moisture and UV
- Foam backing will absorb sound and dampen vibration
- High density foam excellent for die cutting and gaskets
- REACH & RoHS Compliant

Applications

tesa® 648 Series foam tape is a highly effective sealing solution across many rough and uneven surfaces due to its highly conformable and dense backing, and is widely used in applications including:

- Primary glazing seal for domestic and commercial glazing system
- Primary seal between the glass and metal frame in commercial and domestic windows and window walls
- Die cut corner seal in domestic and commercial windows

Certification

- REACH & RoHS Compliant



Product details

Attribute	Value
Backing Material	PVC closed cell foam
Colours	Black
Adhesive Type	Acrylic
Tape Thicknesses	64801 - 1.2mm 64802 - 1.6mm 64803 - 3.2mm
Tape Widths Available	6mm to 1020mm



Technical properties**

Attribute	Value	Testing Standard/Information
Adhesion to Steel	6.5 N/cm	ASTM D3330
Nominal Density	250 kg/m ³	ASTM D792
Hardness Shore 00	70	ASTM D2240
Force to Compress at 25%	110 kPa	ASTM D1667
Tensile Strength	> 9 N/cm	ASTM D412
Elongation at Break	> 40%	ASTM D412
Water Tightness	100% at 10% compression	
Temperature Resistance	90°C	
Thermal Conductivity	0.035 W/m.K	
Compression Set (50%)	7.35%	ASTM D1056

**Foam only.
For more Technical information on other tape thicknesses, please refer to our website.

tesa® 5060 PVC Nitrile

Abrasion resistant single sided & closed cell foam for long term durability



Product description

tesa® 5060 Series foam tape consists of a closed cell skinned PVC nitrile foam backing with an acrylic adhesive on one side. The 'skinned' foam creates an abrasion resistant layer, which is particularly suited where contact with sharp or rough surfaces will occur such as in enclosure doors.

Product features

- Resistant to abrasion and tearing
- Resistant to weathering making it suitable for both indoors and outdoors
- Flame retardant
- Low compression set means that after long periods of compression the foam rebounds to its original state
- Electrically non-conductive - can be used as an electrolysis barrier
- Good thermal insulation properties

Applications

tesa® 5060 Series foam tape is a durable sealing solution, designed for applications where sharp or rough contact will occur, including:

- Sealing electrical enclosures and switchboard cabinets
- Sealing industrial access doors and hatches
- Sealing hatches on boats
- Sealing externally mounted air conditioning equipment

Certification

- Foam is self-extinguishing according to ASTM D1692
- REACH & RoHS Compliant



Product details

Attribute	Value
Backing Material	Closed cell PVC/Nitrile Foam
Colours	Black
Adhesive Type	Acrylic
Tape Thicknesses	50601 - 3mm 50602 - 6mm 50603 - 9mm 50604 - 12mm
Tape Widths Available	6mm to 1219mm

Technical properties**

Attribute	Value	Testing Standard/Information
Adhesion to Steel	11 N/cm	
Nominal Density	70 kg/cm ³	
Tensile Strength	30 N/cm	
Elongation at Break	200%	
Water Absorption	8% Wt%Max.	ASTM 1056-14
Water Tightness	100% at 10% compression	
Thermal Conductivity	0.27 BTU·in/h·ft ² ·°F	ASTM C177-19
Flammability	Foam is self-extinguishing	ASTM D1692
Temperature Resistance	-10°C to 80°C	

**Foam only.

For more Technical information on other tape thicknesses, please refer to our website.



tesa® 667 EPDM

High-performance single sided & closed cell foam for extreme environments



Product description

tesa® 667 Series is a superior and high-performance EPDM rubber closed cell single sided foam tape. It offers high temperature resistance (-40°C to a maximum 115°C) as well as excellent resistance to UV light and moisture, making it ideal for even the most challenging outdoor applications.

tesa® 667 is compatible with plastics and flame retardant to FMVSS 302. The tesa® 667 EPDM foam backing has been tested in accordance to FDA 21CFR 177.2600 and complies with product extraction limits for distilled water.

Product features

- High temperature resistance (-40°C to 115°C)
- Excellent resistance to UV, and moisture
- Non-staining, non-corrosive, non-conductive foam
- Plastic compatible
- Does not contaminate drinking water- AS/NZS 4020 compliant. EPDM foam backing tested according to FDA 21CFR 177.2600 (distilled water method)
- Sealing electrical enclosures and switchboard cabinets
- Sealing interior and exterior lighting
- Sealing industrial access doors and hatches
- Sealing domestic and commercial glazing systems
- Sealing externally mounted air conditioning equipment
- Gaskets and vibration dampening for automotive & transport applications

Applications

tesa® 667 Series foam tape is ideal for even the most challenging applications where exposure to harsh environmental conditions will occur, including:

- Sealing cladding joints
- Sealing for water tanks

Certification

- Flame retardant to FMVSS 302
- EPDM foam complies with FDA 21CFR 177.2600 (distilled water)
- REACH & RoHS Compliant



Product details

Attribute	Value
Backing Material	Closed cell EPDM rubber
Colours	Black
Adhesive Type	Acrylic
Tape Thicknesses	66701 - 1.6mm 66703 - 3.2mm 66704 - 4.8mm 66706 - 6.4mm 66709 - 9.5mm 66712 - 12.7mm
Tape Widths Available	12mm to 980mm



Technical properties**

Attribute	Value	Testing Standard/Information
Adhesion to Steel	5.5 N/cm	
Nominal Density	140 kg/m ³	ASTM D792
Hardness Shore 00	40	GB/T531.1-2008
Force to Compress 25%	45 kPa	ASTM D1056
Tensile Strength	15 N/cm	ASTM D421
Elongation at Break	55%	ASTM D421
Water Tightness	100% at 10% compression	
Thermal Conductivity	0.05 W/mK	ASTM C518
Flammability	Pass	FMVSS 302
Temperature Resistance	-40°C to 115°C	
Compression Set	0.7% (25% Compression)	

**Foam only.
For more Technical information on other tape thicknesses, please refer to our website.

tesa® 6111 Neoprene

High performing petrochemical & oil resistant single sided & closed cell foam



Product description

tesa® 6111 Series foam tape consists of a closed cell neoprene rubber backing with a natural rubber adhesive on one side. The foam tape offers outstanding resistance to oils and other petrochemicals, while also flame retardant and resistant to weathering.

tesa® 6111 Series foam tape creates an electrolysis barrier between different metals, making it well suited for enclosure type applications.

Product features

- Excellent resistance to petrol and oil
- Resistant to weathering and suitable for outdoor use
- Flame retardant
- Electrically non-conductive - can be used as an electrolysis barrier
- Compatible with plastics
- Suitable for die cutting due to its dimensional stability

Applications

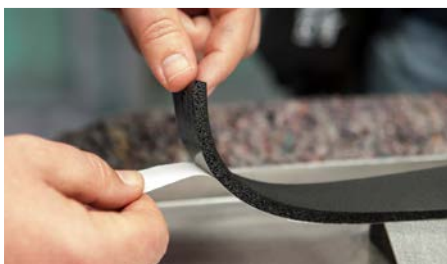
tesa® 6111 Series foam tape is well-suited for sealing in transport applications due to its excellent resistance to petrol and oil. The product is commonly used in sealing applications in trucks, buses, special-purpose vehicles, boats, yachts and caravans.

Other applications include:

- Sealing engine bays where contact with oil can occur
- Sealing access panel doors in machinery and transportation vehicles
- Sealing electrical enclosures and switch cabinets
- Sealing hatches on boats and yachts
- Sealing industrial access doors and hatches

Certification

- Flame retardant to FMVSS 302
- REACH & RoHS Compliant



Product details

Attribute	Value
Backing Material	Closed cell neoprene rubber
Colours	Black
Adhesive Type	Rubber
Interliner Type	61112 - 3.2mm 61113 - 4.8mm 61114 - 6.4mm 61115 - 9.5mm 61116 – 12.7mm
Tape Widths Available	6mm to 1033mm



Technical properties**

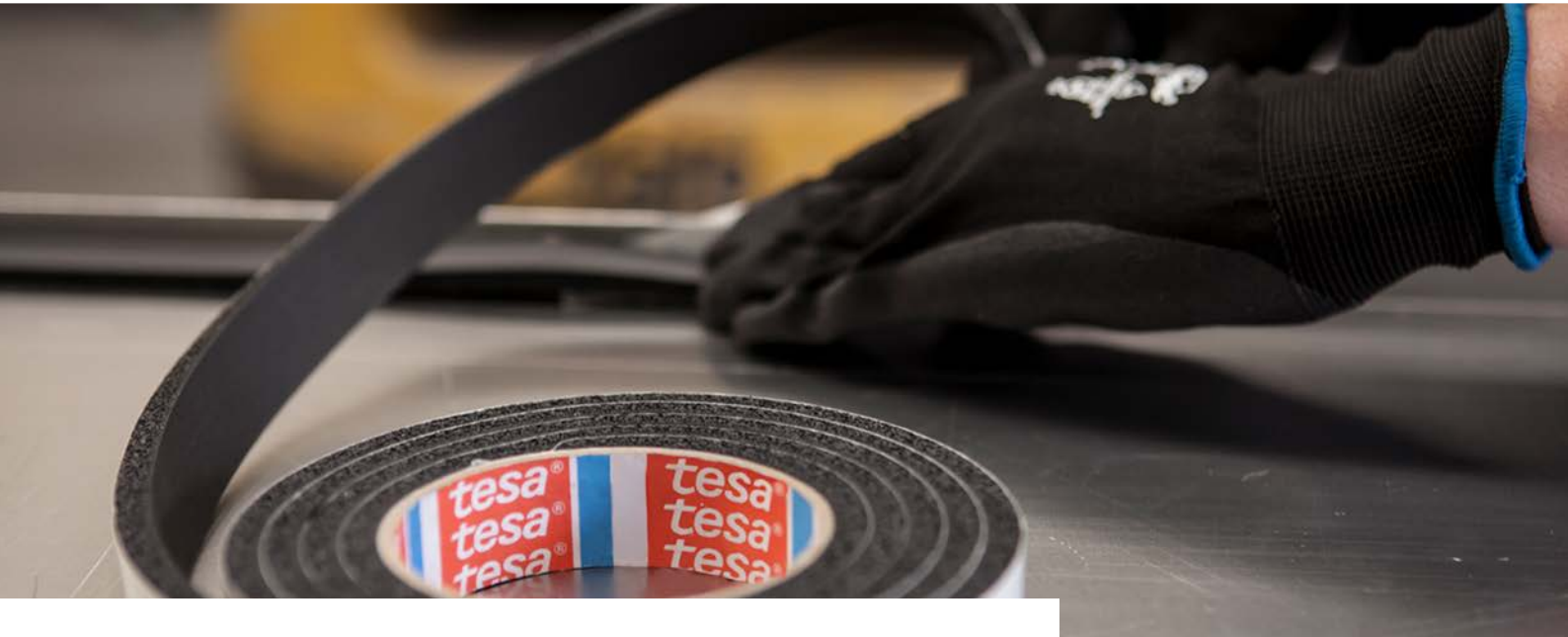
Attribute	Value	Testing Standard/Information
Adhesion to Steel	12 N/cm	
Nominal Density	100 kg/m ³	ASTM D1056
Hardness Shore 00	37	
Force to Compress 25%	25 kPa	ASTM D1056
Tensile Strength	41 N/cm ²	ASTM D412
Elongation at Break	175%	ASTM D412
Water Tightness	100% at 10% compression	
Thermal Conductivity	0.32 BTU·in/h·ft ² ·°F	ASTM C177
Temperature Resistance	-40°C to 70°C	

**Foam only.
For more Technical information on other tape thicknesses, please refer to our website.



tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore 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. 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.





Certifications

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Please find more information regarding our certifications at: www.tesa.com/certifications



Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001.

For more information on our industry solutions, visit our website www.tesa.com

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