



# Efficient cooling for the appliance industry

tesa® aluminum tape solutions



# Our solutions for the production of refrigerators and freezers

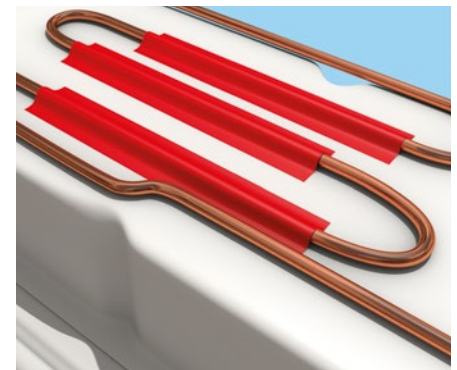
We offer a completely new line of aluminum foil tapes, specifically engineered to meet the toughest requirements of the household appliance industries. The range is characterized by multiple product designs. In addition, reinforced aluminum tapes will support your automated application processes. Aluminum tapes play a dual role when used on condenser and evaporator tubes in refrigerator systems. Firstly, they prevent the injected PU foam from entering the space between the tubes and the refrigerator body. Secondly, the surface area for heat exchange is increased, leading to a better device efficiency.

## Product features:

- Increases cooling efficiency
- Aging-resistant and strong adhesive, suitable for permanent applications
- Service temperature from  $-20^{\circ}\text{C}$  up to  $120^{\circ}\text{C}$
- Aluminum alloy 8011

## Areas of application:

- For the white goods industry
- Used in the production of household and commercial appliances
- Bonding of evaporator and condenser tubes on the plastic body



Product	Backing	Total thickness [ $\mu\text{m}$ ]	Type of adhesive	Adhesion to steel [ $\text{N/cm}$ ]	Elongation at break [%]	Tensile strength [ $\text{N/cm}$ ]
<b>Without liner (release coating, siliconized)</b>						
tesa® 60630	Aluminum foil, 30 $\mu\text{m}$	65	Acrylic	8	3	25
tesa® 60650	Aluminum foil, 50 $\mu\text{m}$	90	Acrylic	9	6	40
tesa® 60670	Aluminum foil, 75 $\mu\text{m}$	125	Acrylic	10	8	60
<b>With white release paper (siliconized, 85 <math>\mu\text{m}</math> thick)</b>						
tesa® 60632	Aluminum foil, 30 $\mu\text{m}$	65	Acrylic	8	3	25
tesa® 60652	Aluminum foil, 50 $\mu\text{m}$	90	Acrylic	9	6	40
tesa® 60672	Aluminum foil, 75 $\mu\text{m}$	125	Acrylic	10	8	60
<b>Laminate of Aluminum-PET, without liner</b>						
tesa® 60614	PET-film, 12 $\mu\text{m}$ Aluminum foil, 7 $\mu\text{m}$	45	Acrylic	6	>30	30
tesa® 60634	PET-film, 20 $\mu\text{m}$ Aluminum foil, 7 $\mu\text{m}$	60	Acrylic	7	>50	45
tesa® 60644	PET-film, 12 $\mu\text{m}$ Aluminum foil, 22 $\mu\text{m}$	70	Acrylic	7	>10	40
tesa® 60654	PET-film, 25 $\mu\text{m}$ Aluminum foil, 30 $\mu\text{m}$	90	Acrylic	10	>13	60

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