

## 3M Double Coated Tape

### 9495LE

#### Product Description

M 9495LE is a 170  $\mu$  m Double Coated Polyester Tape featuring 3M™ Type 300LSE Acrylic Adhesive. Performance features include superior adhesion to Polypropylene, great resistance to consumer chemicals and excellent holding power. 3M type 300LSE acrylic adhesive has a long history of successfully bonding a wide variety of similar and dissimilar materials such as metals, most plastics, glass, papers, and painted surfaces.

#### Technical Specifications

Adhesive Type	Low Surface Energy Acrylic Adhesive 300LSE
Back Side Adhesive Type	Low Surface Energy Acrylic Adhesive 300LSE
Backing (Carrier) Material	PET
Backing (Carrier) Thickness (Imperial)	0.5 mil
Backing (Carrier) Thickness (Metric)	0.013 mm
Brands	3M
Face Side Adhesive Thickness (Imperial)	2.8 mil
Face Side Adhesive Thickness (Metric)	0.071 mm
Face Side Adhesive Type	Low Surface Energy Acrylic Adhesive 300LSE
Industries	Electronics, General Industrial
Maximum Operating Temperature (Celsius)	149 °C
Minimum Operating Temperature (Celsius)	-40 °C
Primary Liner	58# Polycoated Kraft Paper (PCK)
Primary Liner Color	Tan
Product Color	Transparent
Smallest Saleable Unit	Roll

#### Dimensions and Classifications

Overall Length (Imperial)	3.28 yd, 5.14 yd, 6.01 yd, 7.21yd, 36.09 yd maximum.
Overall Length (Metric)	3m, 4.7m, 5.5 m, 6.6 m, 33m maximum.
Overall Width (Imperial)	0.19in, 0.23in, 0.39in, 0.78in, 1.18in, 2.36in, 3.93in, 7.87in, 11.8in, 23.6in maximum.
Overall Width (Metric)	5mm, 6mm, 10mm, 20mm, 30mm, 60mm, 100mm, 200mm,300mm, 600mm maximum.
Total Tape Thickness without Liner (Metric)	0.17 mm
Total Tape Thickness without Liner (Imperial)	6.7 mil

## **Environmental Resistance**

### **Humidity Resistance:**

High humidity has minimal effect on adhesive performance. No significant reduction in bond strength is observed after exposure for 72hrs at 150° F (65° C) and 90% relative humidity.

### **UV Resistance:**

When properly applied, nameplates and decorative trim parts are not adversely affected by exposure to direct sunlight.

### **Water Resistance:**

Immersion in water has no appreciable effect on the bond strength. After 100 hours at room temperature, the high bond strength is maintained.

### **Temperature Cycling Resistance:**

High bond strength is maintained after cycling six times through:

8 hours at -4° F (-20° C) 8 hours at 150° F (65° C) /90% RH

**Chemical Resistance:**When properly applied, nameplate and decorative trim parts will hold securely after exposure to numerous chemicals including oil, mild acids and alkalis.

## **Details**

3M Double Coated Tape 9495LE features a single liner for ease in selective die cutting. 3M Double Coated Tape 9495LE provides high bond strength to most surfaces, including many low surface energy plastics such as polypropylene and powder coated paints. The acrylic adhesive also provides excellent adhesion to surfaces contaminated lightly with oil typically used with machine parts.

3M Double Coated Tape 9495LE is a 6.7 mil thick, clear tape that provides high bond strength to most surfaces, including many low surface energy (LSE) plastics such as polypropylene and powder coated paints. Use on low surface energy surfaces and as plastic extrusion attachment. It also improves handling and ease of die-cutting.

## **Coats on Both**

In general, double coated tape is composed of a paper, film or tissue carrier that is coated on both sides with pressure sensitive adhesive. The adhesive is protected by a peel-away liner that can be removed at the time of application or left in place until the joining surfaces are ready to be attached. These tapes can be applied by hand or with a dispenser. Double coated tape dispensers are available in a variety of configurations ranging from manual to fully automatic. Applications for double coated tape are found in construction, fabrication, arts and hobbies.

## **Bringing Better Ideas to the Surface through Science and Innovation**

In our 3M Industrial Adhesives and Tapes Division, we apply the science of adhesion to

deliver innovative solutions that improve the design and manufacturing processes of companies around the world. In the end, our technologies help customers like you deliver competitive products to the market faster and more efficiently.