



UHA™ 8709

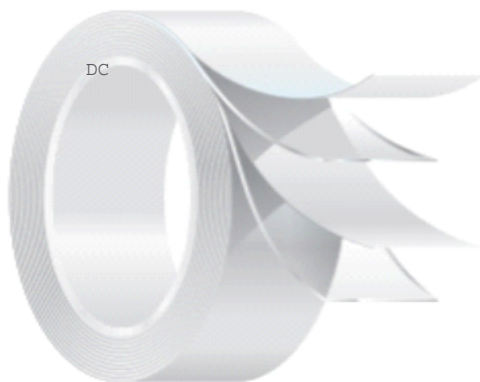
Avery Dennison™ UHA™ 8709 was specifically designed for bonding automotive trim carpeting. The double-coated construction provides consistent lamination and performance on coarse, tufted carpets.

FEATURES

- Patented adhesive technology on both sides
- Firm, high tack adhesive
- Non-woven carrier, densified kraft release liner

BENEFITS

- Excellent quick stick and adhesion to low surface energy plastics
- High temperature resistance
- Double-coated construction for consistent laminations to uneven or coarse material



CONSTRUCTION:

Liner:

80# White Kraft

Adhesive 1:

Crosslinked Elastomer

Carrier:

Non-Woven

Adhesive 2:

Crosslinked Elastomer

UHA™ 8709**Adhesive Properties:**

| Thickness | ASTM D3652 | Typical Values | | |
|------------------------------|------------|----------------|------|---------------|
| | | US Mils | MM's | Micron's (µm) |
| Liner | | 4.6 | 0.12 | 117 |
| Adhesive 1 - Liner | | 5.2 | 0.13 | 132 |
| Carrier | | 1.0 | 0.03 | 25 |
| Adhesive 2 - Unwind | | 2.9 | 0.07 | 74 |
| Total Caliper without Liner: | | 9.1 | 0.23 | 231 |
| Total Caliper: | | 13.7 | 0.35 | 348 |

Peel Adhesion

ASTM D3330

180° 12 in (305 mm) / min

| Substrate | | | Typical Values | |
|---------------|--------|--------------|----------------|-----------|
| | | | Lbf / In | N / Meter |
| SS | Liner | 10 min dwell | 9.6 | 1,691 |
| | Unwind | | 5.6 | 986 |
| ABS | Liner | 10 min dwell | 8.2 | 1,444 |
| PP | Liner | 10 min dwell | 7.4 | 1,303 |
| Talc PP | Liner | 10 min dwell | 5.9 | 1,039 |
| LDPE | Liner | 10 min dwell | 3.8 | 669 |
| HDPE | Liner | 10 min dwell | 4.8 | 845 |
| TPO | Liner | 10 min dwell | 5.8 | 1,021 |
| Painted Metal | Liner | 10 min dwell | 8.7 | 1,532 |
| Polycarbonate | Liner | 10 min dwell | 6.6 | 1,162 |

Loop Tack

ASTM D6195

180° 20 in (508 mm) / min

| Substrate | | | Typical Values | |
|-----------|--------|---------|----------------|-----------|
| | | | Lbf / In | N / Meter |
| SS | Liner | Initial | 19.0 | 3,346 |
| | Unwind | | 12.0 | 2,113 |

Static Shear

ASTM D3654

180° 1" sq (6.5 cm²) 10 lb @ Room Temp

| Substrate | | | Typical Values | |
|-----------|--------|---------|----------------|--|
| | | | Mins to Fail | |
| SS | Liner | Initial | > 10,000 | |
| | Unwind | | > 1,500 | |

TEMPERATURES

| | ° F | ° C |
|--|--------|--------|
| Minimum Application Temperature | 50° F | 10° C |
| Maximum Continuous Operating Temperature | 225° F | 107° C |
| Maximum Intermittent Operating Temperature | 275° F | 135° C |

THE LISTED VALUES ARE TYPICAL AND NOT INTENDED TO SERVE AS PRODUCT SPECIFICATIONS

APPLICATION TECHNIQUES

- It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / rigid) surface achieves different performance

STORAGE / SHELF LIFE

- One year when stored at 64-72°F (18-22°C) / 30-70% relative humidity, out of direct sunlight and in original packaging.

Please refer to Tapes.AveryDennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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