# 3M™ Acrylic Foam & 3M™ Acrylic Plus Tapes

## Product Overview

<table>
<thead>
<tr>
<th>Adhesive (LS) Liner Side</th>
<th>Adhesive (NLS) Non Liner Side</th>
<th>Thickness in mm</th>
<th>Density</th>
<th>Color Adhesive</th>
<th>Color Liner</th>
<th>Paperliner</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.4 – 0.5</td>
<td>0.6</td>
<td>0.8</td>
<td>1.1</td>
<td>1.2</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>ZX</td>
<td>ZX</td>
<td>PX5005</td>
<td>PX5008</td>
<td>PX5011</td>
<td>PX5015</td>
<td>AFT (high)</td>
</tr>
<tr>
<td>JLx 2</td>
<td>JLx 1</td>
<td>Ex4511</td>
<td>EX4515</td>
<td>A+ (high)</td>
<td>deep black</td>
<td>red</td>
</tr>
<tr>
<td>JL 2</td>
<td>VR 1</td>
<td>EX4008</td>
<td>EX4011</td>
<td>Ex4015</td>
<td>A+ (medium)</td>
<td>black</td>
</tr>
<tr>
<td>VR 2</td>
<td>VR 1</td>
<td>PT1000</td>
<td>PT1500</td>
<td>A+ (medium)</td>
<td>black</td>
<td>red</td>
</tr>
<tr>
<td>AR 5</td>
<td>AR 5</td>
<td>4205</td>
<td>AFT (high)</td>
<td>white</td>
<td>orange</td>
<td>N</td>
</tr>
<tr>
<td>AR 5</td>
<td>AR 5</td>
<td>4225</td>
<td>AFT (medium)</td>
<td>white</td>
<td>red</td>
<td>N</td>
</tr>
<tr>
<td>AR 7</td>
<td>AR 7</td>
<td>5356</td>
<td>5390</td>
<td>AFT (medium)</td>
<td>grey</td>
<td>red</td>
</tr>
<tr>
<td>AR 7</td>
<td>SK</td>
<td>5428</td>
<td>5580</td>
<td>5361</td>
<td>AFT (high)</td>
<td>grey</td>
</tr>
<tr>
<td>SK</td>
<td>SK</td>
<td>S363</td>
<td>4222</td>
<td>AFT (medium)</td>
<td>grey</td>
<td>white</td>
</tr>
<tr>
<td>SK</td>
<td>SK</td>
<td>LT2005</td>
<td>LT1006</td>
<td>AFT (medium)</td>
<td>grey</td>
<td>brown Paperliner</td>
</tr>
<tr>
<td>JL 2</td>
<td>E 2</td>
<td>WT4112</td>
<td>A+ (medium)</td>
<td>black</td>
<td>red</td>
<td>N</td>
</tr>
<tr>
<td>VR 2</td>
<td>E 2</td>
<td>ST1200</td>
<td>A+ (medium)</td>
<td>black</td>
<td>red</td>
<td>N</td>
</tr>
<tr>
<td>AR 7</td>
<td>E 2</td>
<td>5608</td>
<td>5402</td>
<td>AFT (medium)</td>
<td>grey</td>
<td>orange</td>
</tr>
<tr>
<td>AR 7</td>
<td>E 1</td>
<td>5338</td>
<td>5339</td>
<td>AFT (high)</td>
<td>grey</td>
<td>orange</td>
</tr>
<tr>
<td>SK</td>
<td>E 2</td>
<td>GSE9004</td>
<td>5609</td>
<td>AFT (medium)</td>
<td>grey</td>
<td>orange</td>
</tr>
</tbody>
</table>

- **Two-sided pressure-sensitive**
- **One side heat-activatable**
- **Siliconized Liner** see liner overview
- **Yes (Y) = available**
- **No (N) = not available**
- GTE6208, -12 and -15 as well available with a tear resistant liner as GTE62xxR

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3M™ Acrylic Foam & 3M™ Acrylic Plus Tapes

Product Overview

Pressure-Sensitive Adhesives

<table>
<thead>
<tr>
<th>Adhesive</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX</td>
<td>Very good initial and excellent final tack, especially for LSE** surfaces such as PP-EPDM and MSE* surfaces like ABS or MSE* clear coats</td>
</tr>
<tr>
<td>JLx 1/JLx 2</td>
<td>Excellent initial and final tack especially on MSE* substrates as ABS and very good initial and final tack on LSE** clear coats</td>
</tr>
<tr>
<td>JL 2</td>
<td>Excellent initial and final tack especially on MSE* substrates as ABS and excellent initial and final tack on LSE** clear coats</td>
</tr>
<tr>
<td>VR 1/VR 2</td>
<td>Very high initial and final adhesion, especially for modern and scratch optimized paint systems</td>
</tr>
<tr>
<td>AR 7</td>
<td>High initial and final adhesion for various paint systems and surface</td>
</tr>
<tr>
<td>AR 5</td>
<td>High initial and final adhesion for various paint systems and surfaces</td>
</tr>
<tr>
<td>SS</td>
<td>Self-stick, good initial and final adhesion on various paint systems and surfaces</td>
</tr>
</tbody>
</table>

* MSE = Medium Surface Energy ** LSE = Low Surface Energy

Density/Color

<table>
<thead>
<tr>
<th>Density/Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+ (high)</td>
<td>Deep Black Acrylic Plus Core, good tolerance</td>
</tr>
<tr>
<td>A+ (medium)</td>
<td>Black Acrylic Plus core with excellent tolerance</td>
</tr>
<tr>
<td>AFT (hoch)</td>
<td>Dark grey or soft white Acrylic Foam core with good tolerance and high internal strength</td>
</tr>
<tr>
<td>AFT (mittel)</td>
<td>Dark grey, grey or white soft Acrylic Foam core with excellent tolerance</td>
</tr>
</tbody>
</table>

Heat-activatable Adhesives

<table>
<thead>
<tr>
<th>Heat-activatable Adhesive</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 2</td>
<td>Heat activatable, especially for EPDM- and EPDM/PP-material</td>
</tr>
<tr>
<td>E 1</td>
<td>Heat activatable, especially for EPDM-material</td>
</tr>
</tbody>
</table>
# 3M™ Acrylic Foam & 3M™ Acrylic Plus Tapes

## Pressure-Sensitive Tapes

### Product number

<table>
<thead>
<tr>
<th>Product number</th>
<th>5363</th>
<th>5428</th>
<th>GT6006/-8/-12</th>
<th>GTE6208/-12/-15</th>
<th>EX4008/-11/-15</th>
<th>EX45011/-15</th>
<th>PX5005/-8/-11/-15</th>
<th>PT100</th>
<th>5356</th>
<th>5390</th>
<th>5745</th>
<th>4225</th>
<th>RT80xx-Series</th>
<th>GTE6215</th>
<th>EX45011/-15PX5005/-8 /-11/-15PT1100</th>
<th>5356</th>
<th>5390</th>
<th>5745</th>
</tr>
</thead>
</table>

### Thickness in mm without liner

| Thickness | 0.4 | 0.45 | 0.6 | 0.8 | 1.2 | 1.5 | 0.8 | 1.1 | 1.5 | 0.8 | 1.1 | 1.5 | 2.0 | 3.2 | 0.2 - 4.0 | 0.2 - 4.0 |

### Temperature resistance

| Temperature resistance | 120 | 90 | 120 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 120 |

### Surface suitability

- **High Surface Energy Plastics**
  - **++**
- **Low Surface Energy Plastics (z.B. PE, PP)**
  - o
- **Paint**
  - +
- **Glass**
  - **++**
- **Rubber, heat-activated tape side**
  - ++

### Stress relaxation

| Stress relaxation | o | o | o up to ++ (depending on thickness) | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |

### UV resistance

| UV resistance | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |

### Solvent resistance

| Solvent resistance | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |

### Liner

- **P** = paper
- **PE** = PE film
- **R** = tear-resistant

<table>
<thead>
<tr>
<th>Liner</th>
<th>P</th>
<th>P</th>
<th>P</th>
<th>P (1)</th>
<th>PE (3)</th>
<th>PE (4)</th>
<th>PE</th>
<th>PE (10)</th>
<th>PE (10)</th>
<th>PE</th>
<th>PE</th>
<th>PE</th>
<th>PE</th>
</tr>
</thead>
</table>

### Notes

1. Corresponds with long-term temperature resistance (temporarily higher), load dependent.

2. **++** = very good  
   **+** = good  
   **o** = bconditional  
   Must be checked through application-relevant tests.

3. To prevent migration of moisture, primer treatment is recommended (e.g. Primer 4299 or AP 111); assessment with primer.

4. To enhance adhesion, it is recommended to treat the plastic surface with Primer 4298 UV or to use a heat-activated tape; assessment with primer.

5. Except GT6006

6. Except GTE6215

7. Adhesive side is siliconized

8. **T** version = only adhesive side is siliconized; **F** version = both sides siliconized

9. Both sides siliconized

10. In preparation, **P** not for PX5005 and -15
### 3M™ Acrylic Foam & 3M™ Acrylic Plus Tapes

#### Heat-activatable Tapes

<table>
<thead>
<tr>
<th>Product number</th>
<th>G5E9004</th>
<th>5401</th>
<th>5608</th>
<th>5609</th>
<th>5338</th>
<th>5339</th>
<th>5402</th>
<th>ST1200</th>
<th>WT412</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thickness in mm without liner</strong></td>
<td>0,4</td>
<td>0,45</td>
<td>0,8</td>
<td>0,8</td>
<td>0,8</td>
<td>1,1</td>
<td>1,1</td>
<td>1,2</td>
<td>1,2</td>
</tr>
<tr>
<td><strong>Temperature resistance</strong> in °C</td>
<td>120</td>
<td>90</td>
<td>90</td>
<td>120</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
</tbody>
</table>

#### Surface suitability

1. **High Surface Energy Plastics**: ++ ++ ++ ++ ++ ++ ++ +
2. **Low Surface Energy Plastics (z.B. PE, PP)**: o o o o o o o ++ ++
3. **Paint**: + ++ ++ + ++ ++ ++ ++ ++
4. **Glass**: ++ ++ ++ ++ ++ ++ ++ ++
5. **Rubber, heat-activated tape side**: ++ ++ ++ ++ ++ ++ ++ ++

#### Stress relaxation

1. o o + + + ++ ++ ++ ++

#### UV resistance

1. ++ ++ ++ ++ ++ ++ ++ ++ ++

#### Solvent resistance

1. ++ ++ ++ ++ ++ ++ ++ ++ ++

#### Liner: PE = PE film

<table>
<thead>
<tr>
<th>G5E9004</th>
<th>5401</th>
<th>5608</th>
<th>5609</th>
<th>5338</th>
<th>5339</th>
<th>5402</th>
<th>ST1200</th>
<th>WT412</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Liner</strong>: PE = PE film</td>
<td>PE</td>
<td>PE</td>
<td>PE</td>
<td>PE</td>
<td>PE</td>
<td>PE</td>
<td>PE</td>
<td>PE</td>
</tr>
</tbody>
</table>

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1. Corresponds with long-term temperature resistance (temporarily higher), load dependent.
2. ++ = very good + = good o = conditional must be checked through application-relevant tests
3. To prevent migration of moisture, primer treatment is recommended (e.g. Primer 4299 or AP 111); assessment with primer.
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6. except GTE6216
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8. T version = only adhesive side is siliconized; F version = both sides siliconized
9. Both sides siliconized
10. in preparation, P not for PX5005 and -15
### General Information
- Guideline for Usage
- Wet Out Control
- Tekscan Services
- Material Safety Data Sheets
- Brochures
- Videos

### Test Methods
- 90° Adhesion TMG 1637
- Static Shear Adhesion TMG 1266
- T-Peel TMG 1636

### 3M™ Dual Lock™
- Reclosable Fastening System
- Pop-In, Die-Cut and Slide-In Shapes

### Japanese Tapes (only for JOEM)
- RT 8000 Series
- GT 7100 Series
- GT 7198
- SF Series
- 5400 Series

### Liner
- Product-Liner-Matrix
- Tear-resistant Liner

### Equipment
- 3M™ Manual Applicator MR1
- 3M™ Manual Applicator MR2 LED
- 3M™ Manual Applicator MR3
- 3M™ Manual Applicator MSR 15
- 3M™ Heattabber and Abrasion Tool

### Tabbing & Splice Tapes
- 3M™ Tabbing Tape & Splice Tape 5300
- 3M™ Tabbing Tape 5081 – 5082
- 3M™ Tabbing Tape 5699
- 3M™ Tabbing Tape 5075

### Pre-Treatment
- 3M™ High Performance Wipe 2011
- 3M™ High Performance Wipe 2030
- Primer-Overview
- Information for Primer Usage
- 4297
- 4298 UV
- 4299

### Repair Guide
- Removal of Weatherstrips
- Repair Procedure Body Side Moldings

### Wheel Weights
- 3M™ Wheel Weights TN 4000

= Click on cell to open documents