S8512-2 | POLYSIL GREEN SILICONE ADHESIVE TAPE

PolySil™ S8512-2 is a green high tack polyester (PET) tape with controlled adhesion and good conformability. The controlled level of crosslinking assures a proper balance of adhesion to substrates and chemical and temperature resistance.

Typical applications: Powder coating, high temperature masking and splicing – silicone coated papers, films and textiles

CONSTRUCTION DIAGRAM

Cross Section

1.5 mil Silicone Adhesive
2 mil PET

FEATURES & BENEFITS

- Fine line definition
- Clean removal / no adhesive residue
- Chemical and abrasion resistant
- Good conformability

PROPERTIES

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>TYPICAL VALUE IMPERIAL</th>
<th>UNITS</th>
<th>TYPICAL VALUE METRIC</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peel Adhesion</td>
<td>PSTC-101</td>
<td>35</td>
<td>oz/in</td>
<td>0.3815</td>
<td>N/mm</td>
</tr>
<tr>
<td>Shear Adhesion</td>
<td>PSTC-107</td>
<td>&gt;20160</td>
<td>Minutes @ 2.2 psi</td>
<td>&gt;20160</td>
<td>Minutes @ 15.2 kPa</td>
</tr>
<tr>
<td>Tack</td>
<td>ASTM D2979</td>
<td>48</td>
<td>oz</td>
<td>1376</td>
<td>gram</td>
</tr>
<tr>
<td>Minimum Application Temperature</td>
<td></td>
<td>-60</td>
<td>°F</td>
<td>-51</td>
<td>°C</td>
</tr>
<tr>
<td>Maximum Continuous Use Temperature</td>
<td></td>
<td>350</td>
<td>°F</td>
<td>177</td>
<td>°C</td>
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</tbody>
</table>

For maximum adhesion, bonding surfaces should be clean, dry, and free from grease and oils. The firmer the application pressure and the greater the contact area, the stronger the bond. Bond strengths will increase as a function of time as the adhesive continues to wet out the bonding surfaces.

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