



**High Performance Urethane  
For  
“Can’t Fail” Applications**

**POLYURETHANE SS-3427 White 181**

**POLYMER:** Polyester Aromatic Polyurethane

**DESCRIPTION:** SS-3427 White 181 is a 92 shore A polyester polyurethane film. It is designed for emblem applications.

**GENERAL PROPERTIES**

|   | <b>Specifications</b> | <b>Units</b>           | <b>Values</b>                              |
|---|-----------------------|------------------------|--|
| <b>Durometer:</b>                         | <b>D2240</b>          |                        | <b>92A</b>                                 |
|   |                       |                        |  |
| <b>Specific Gravity:</b>                  | <b>D792</b>           |                        | <b>1.21</b>                                |
|   |                       |                        |  |
| <b>Thermal Properties:</b>                |                       |                        |  |
| Maximum Service Temperature               |                       |                        |  |
| -continuous                               |                       |                        | <b>-20° to 80°</b>                         |
| -melting point range                      |                       | <b>°F</b><br><b>°C</b> | <b>275° to 329°</b><br><b>135° to 165°</b> |
|   |                       |                        |  |
| <b>Tensile Properties:</b>                | <b>D638</b>           |                        |  |
| Modulus @ 100% strain                     |                       | <b>psi</b>             | <b>1500</b>                                |
| Modulus @ 300% strain                     |                       | <b>psi</b>             | <b>4200</b>                                |
| Modulus @ break                           |                       | <b>psi</b>             | <b>8000</b>                                |
| Modulus of elasticity up<br>To 10% strain |                       | <b>Psi</b>             | <b>N/A</b>                                 |
| Elongation @ break                        |                       | <b>%</b>               | <b>420</b>                                 |
| Set @ break                               |                       | <b>%</b>               | <b>30</b>                                  |
|   |                       |                        |  |
| <b>Tear Properties:</b>                   |                       |                        |  |
| Die C                                     | <b>D624</b>           | <b>pli</b>             | <b>600</b>                                 |

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