



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

ST- 1880 POLYETHER, POLYURETHANE

POLYMER: Aromatic Polyether Polyurethane

DESCRIPTION: ST-1880 is an 85 Shore A polyether polyurethane formulated for excellent physicals, vacuum forming, and sealability. This film exhibits fine performance against the effects of fungus attack and high humidity. ST-1880 also has enhanced UV stability.

Recommended Applications: Vacuum forming applications, bladders, and industrial use.

GENERAL PROPERTIES

| | Specifications | Units | Values |
|--|-------------------|--------|-----------------------------------|
| Durometer: | D2240 | | 87A |
| Specific Gravity: | D792 | | 1.12 |
| Thermal Properties: | | | |
| Maximum Service Temperatures, | | | |
| -continuous | | F C | -60 to 200 = -51 to 93 |
| -melting point range | | F C | 339 to 379 171 to 193 |
| Tensile Properties: | D638 | | |
| Modulus @ 100% strain | | psi | 1000 |
| Modulus @ 300% strain | | psi | 2000 |
| Modulus @ break | | psi | 7000 |
| Modulus of elasticity up to 10% strain | | psi | 35 |
| Elongation @ break | | % | 450 |
| Set @ break | | % | 35 |
| Tear Properties: | D624 Die C | pli | 400 |