

## Tecoflex® Solution Grade

**Type:** Typical Physical Test Data – CLEAR SOLUTION GRADES

**Features:** Medical Grade Aliphatic TPUs which do not yellow and with good mechanical properties

**Process:** Formulated Especially for Solution Process

| Products & Properties      | ASTM Test | SG-80A    | SG-85A    | SG-93A    | SG-60D    |
|----------------------------|-----------|-----------|-----------|-----------|-----------|
| Durometer (Shore Hardness) | D2240     | 72A       | 77A       | 87A       | 51D       |
| Specific Gravity           | D792      | 1.04      | 1.05      | 1.08      | 1.09      |
| Flexural Modulus (psi)     | D790      | 1,000     | 2,300     | 3,200     | 13,000    |
| Ultimate Tensile (psi)     | D412      | 5,800     | 6,200     | 7,700     | 8,300     |
| Ultimate Elongation (%)    | D412      | 660       | 550       | 390       | 360       |
| Tensile (psi)              | D412      |           |           |           |           |
| at 100% Elongation         |           | 300       | 600       | 1000      | 1800      |
| at 200% Elongation         |           | 500       | 900       | 1900      | 2900      |
| at 300% Elongation         |           | 800       | 1400      | 4300      | 5600      |
| Mold Shrinkage (in/in)     | D955      | .008-.012 | .008-.012 | .006-.010 | .004-.008 |

**Note:** These test results are based on small samples of Tecoflex® polyurethanes and do not necessarily represent average results from larger test samples. This information should not be used for establishing engineering or manufacturing guidelines.

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