



Product Information

ESC-thane Compound U98

TPU thermoplastic polyester urethane

| Property | Test Method | Units | Value |
|---------------------------|-------------|------------|-----------|
| Mechanical | | | |
| Tensile Modulus | DIN 53.479 | MPa (psi) | - |
| @50% Elongation | | | 11 |
| @100% Elongation | | | 19 |
| @300% Elongation | | | |
| Tensile Strength | DIN 53.504 | MPa (psi) | 35 |
| Ultimate Elongation | | % | 400 |
| Elongation at Break | DIN 53.504 | % | 600 |
| Tear Strength, Die "C" | DIN 53.515 | KN/m (PSI) | 150 |
| Compression Set | ASTM D395B | | |
| 22 hours at 25 C (77 F) | | % | 35 |
| 22 hours at 70 C (158 F) | | % | 44 |
| Hardness , Shore A | DIN 53.505 | | 98A / 52D |
| Taber Abrasion Resistance | DIN 53.516 | mm 3 | 25 |
| Reinforcement | NO | | |
| Color | | | |

The information provided in this data sheet corresponds to our knowledge on the subject at the date of this publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such materials used in combination with any other material, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specifications limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to do to determine the suitability of a specific compound for your particular purpose. Since Engineered Seals, LLC cannot anticipate all variation in actual end-use conditions ESC makes no warranties and assumes no liability in connection with any use of this information. Caution: Do not use this product in medical application involving permanent implantation in the human body.