

Estane® S175A TPU

TPU

Lubrizol Advanced Materials Spain S.L.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.025 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ISO Data | | | |
| Abrasion resistance | 40 | mm ³ | ISO 4649 |
| ASTM Data | | | |
| Modulus at 100% Elongation | 3.43 | MPa | ASTM D 412 |
| Modulus at 300% Elongation | 2.12 | MPa | ASTM D 412 |
| Shore A Hardness | 77 | - | ASTM D 2240 |
| Tear Strength | 78.4 | kN/m | ASTM D 624 |
| Compression Set , 22 hr @ 73 °F | 15 | % | ASTM D 395 |
| Compression Set , 22 hr @ 158 °F | 30 | % | ASTM D 395 |
| Thermal properties | | | |
| ASTM Data | | | |
| Vicat Temperature | 83.9 | °C | ASTM D 1525 |
| Other properties | | | |
| Density | 1180 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Certifications

Food contact, Food approval FDA 21 CFR