

**MIRATHANE® E665D**

TPU

Miracell Chemicals Co., Ltd.

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Modulus at 100% Elongation   | <b>22</b>    | MPa         | ASTM D 412           |
| Modulus at 300% Elongation   | <b>45</b>    | MPa         | ASTM D 412           |
| Shore D Hardness             | <b>65</b>    | -           | ASTM D 2240          |
| Tear Strength                | <b>200</b>   | kN/m        | ASTM D 624           |
| Tensile Strength             | <b>50</b>    | MPa         | ASTM D 412           |
| Elongation at Break          | <b>400</b>   | %           | ASTM D 412           |

| <b>Thermal properties</b>    | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Glass Transition Temperature | <b>-8</b>    | °C          | ASTM E 1356          |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1200</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Regional Availability**

North America, Europe, Asia Pacific