


**Sarlink® 3145D - Shore 50 D**

TPV

Teknor Apex Co.

**Product Texts**

| Property  | Value | Unit   | Standard               |
|---|-------|--------|------------------------|
| Hardness Shore (5 sec delay, Extruded sample)         | 47D   | -      | ISO 868                |
| Hardness Shore (5 sec delay, Injection molded sample) | 50D   | -      | ISO 868                |
| Tensile strength at break (Cross direction)           | 22.5  | MPa    | ISO 37                 |
| Modulus at 100% elongation (Cross direction)          | 12.8  | MPa    | ISO 37                 |
| Elongation at break (Cross direction)                 | 700   | %      | ISO 37                 |
| Compression set (70h/125°C)                           | 90    | %      | ISO 815                |
| Hot air aging (168h/150°C, Cross Direction)           |       |        | ISO 188                |
| Change in hardness                                    | 2     | points |                        |
| Retention tensile strength at break                   | 95    | %      |                        |
| Retention modulus at 100% elongation                  | 108   | %      |                        |
| Retention elongation at break                         | 89    | %      |                        |
| Hot air aging (1000h/135°C, Cross Direction)          |       |        | ISO 188                |
| Change in hardness                                    | 1     | points |                        |
| Retention tensile strength at break                   | 102   | %      |                        |
| Retention modulus at 100% elongation                  | 116   | %      |                        |
| Retention elongation at break                         | 89    | %      |                        |
| Volume swell (70h/125°C in IRM 903 oil)               | 52    | %      | ISO 1817               |
| Rheology (Apparent Shear Viscosity @ 206 1/s, 200°C)  | 310   | Pa.s   | ISO 11443<br>Capillary |

| Mechanical properties                       | Value | Unit | Test Standard |
|---|-------|------|---------------|
| <b>ISO Data</b>                             |       |      |               |
| Stress at 100% elongation                   | 15.5  | MPa  | ISO 527-1/-2  |
| Strain at break TPE                         | >300  | %    | ISO 527-1/-2  |
| Stress at break TPE                         | 19.4  | MPa  | ISO 527-1/-2  |
| Compression Set under constant strain, 23°C | 57    | %    | ISO 815       |
| Compression Set under constant strain, 70°C | 70    | %    | ISO 815       |
| Tear strength                               | 131   | kN/m | ISO 34-1      |

| Other properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 940   | kg/m³ | ISO 1183      |

**Characteristics**
**Processing**

Injection Molding, Other Extrusion, Blow Molding

**Chemical Resistance**

General Chemical Resistance