


**Sarlink® 3170 - Shore 75 A**

TPV

Teknor Apex Co.

**Product Texts**

| Property                                              | Value | Unit   | Standard               |
|-------------------------------------------------------|-------|--------|------------------------|
| Hardness Shore (5 sec delay, Extruded sample)         | 71A   | -      | ISO 868                |
| Hardness Shore (5 sec delay, Injection molded sample) | 75A   | -      | ISO 868                |
| Tensile strength at break (Cross direction)           | 7.7   | MPa    | ISO 37                 |
| Modulus at 100% elongation (Cross direction)          | 3.3   | MPa    | ISO 37                 |
| Elongation at break (Cross direction)                 | 670   | %      | ISO 37                 |
| Compression set (70h/125°C)                           | 63    | %      | ISO 815                |
| Hot air aging (168h/150°C, Cross Direction)           |       |        | ISO 188                |
| Change in hardness                                    | 3     | points |                        |
| Retention tensile strength at break                   | 96    | %      |                        |
| Retention modulus at 100% elongation                  | 105   | %      |                        |
| Retention elongation at break                         | 86    | %      |                        |
| Hot air aging (1000h/135°C, Cross Direction)          |       |        | ISO 188                |
| Change in hardness                                    | -1    | points |                        |
| Retention tensile strength at break                   | 92    | %      |                        |
| Retention modulus at 100% elongation                  | 110   | %      |                        |
| Retention elongation at break                         | 87    | %      |                        |
| Volume swell (70h/125°C in IRM 903 oil)               | 115   | %      | ISO 1817               |
| Rheology (Apparent Shear Viscosity @ 206 1/s, 200°C)  | 290   | Pa.s   | ISO 11443<br>Capillary |

| Mechanical properties                       | Value | Unit | Test Standard |
|---------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                             |       |      |               |
| Stress at 100% elongation                   | 5.1   | MPa  | ISO 527-1/-2  |
| Strain at break TPE                         | 300   | %    | ISO 527-1/-2  |
| Stress at break TPE                         | 6.7   | MPa  | ISO 527-1/-2  |
| Compression Set under constant strain, 23°C | 25    | %    | ISO 815       |
| Compression Set under constant strain, 70°C | 43    | %    | ISO 815       |
| Tear strength                               | 42    | kN/m | ISO 34-1      |

| Other properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 950   | kg/m³ | ISO 1183      |

**Characteristics**
**Processing**

Injection Molding, Other Extrusion, Blow Molding

**Chemical Resistance**

General Chemical Resistance