

# Product Data Sheet

Sarlink® **4765B40**

| Typical properties*                  | Test method | S.I.          |                   | U.S.          |                   |
|--------------------------------------|-------------|---------------|-------------------|---------------|-------------------|
|                                      |             | Typical value | Units             | Typical value | Units             |
| Density                              | ISO 1183    | 910           | kg/m <sup>3</sup> | 910           | kg/m <sup>3</sup> |
| Hardness Shore (5 sec delay)         | ISO 868     | 62A           |                   | 62A           |                   |
| Extruded sample                      |             | 65A           |                   | 65A           |                   |
| Injection molded sample              |             |               |                   |               |                   |
| Tensile Properties                   | ISO 37      |               |                   |               |                   |
| <u>Flow direction</u>                |             |               |                   |               |                   |
| Tensile strength at break            |             | 5.0           | MPa               | 725           | Psi               |
| Modulus at 100% elongation           |             | 3.0           | MPa               | 435           | Psi               |
| Elongation at break                  |             | 360           | %                 | 360           | %                 |
| <u>Cross direction</u>               |             |               |                   |               |                   |
| Tensile strength at break            |             | 5.6           | MPa               | 812           | Psi               |
| Modulus at 100% elongation           |             | 2.4           | MPa               | 348           | Psi               |
| Elongation at break                  |             | 490           | %                 | 490           | %                 |
| Tear Strength                        | ISO 34B     |               |                   |               |                   |
| <u>Cross direction</u>               |             |               |                   |               |                   |
| Unnicked angle                       |             | 26            | kN/m              | 148           | Pli               |
| Compression set                      | ISO 815     |               |                   |               |                   |
| 22h/23°C                             |             | 20            | %                 | 20            | %                 |
| 22h/70°C                             |             | 26            | %                 | 26            | %                 |
| 70h/125°C                            |             | 45            | %                 | 45            | %                 |
| Hot air aging                        | ISO 188     |               |                   |               |                   |
| <u>168h/150°C, Cross Direction</u>   |             |               |                   |               |                   |
| Change in hardness                   |             | 0             | points            | 0             | points            |
| Retention tensile strength at break  |             | 82            | %                 | 82            | %                 |
| Retention modulus at 100% elongation |             | 98            | %                 | 98            | %                 |
| Retention elongation at break        |             | 83            | %                 | 83            | %                 |
| <u>1000h/135°C, Cross Direction</u>  |             |               |                   |               |                   |
| Change in hardness                   |             | 2             | points            | 2             | points            |
| Retention tensile strength at break  |             | 88            | %                 | 88            | %                 |
| Retention modulus at 100% elongation |             | 102           | %                 | 102           | %                 |
| Retention elongation at break        |             | 87            | %                 | 87            | %                 |
| Volume swell                         | ISO 1817    |               |                   |               |                   |
| 70h/125°C in IRM 903 oil             |             | 84            | %                 | 84            | %                 |
| Rheology                             | ISO 11443   |               |                   |               |                   |
| <u>Apparent Shear Viscosity</u>      |             |               |                   |               |                   |
| @ 206 1/s, 200°C                     | Capillary   | 230           | Pa.s              | 230           | Pa.s              |

\* Tests are conducted on injection-molded plaques unless indicated otherwise.

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