



Material Data Sheet

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| Product: Polyphylenesulfide | Base Material: Film |
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Description

Polyphylenesulfide (PPS) possesses qualities of good chemical resistance, Low water absorption, and good wear properties.

Typical Properties

| <u>Mechanical Properties</u> | <u>Test Method</u> | <u>Unit</u> | <u>Value</u> |
|------------------------------------|--------------------|-------------|----------------------|
| Elastic Modulus | ASTM D-882 | psi | 265,000 |
| Yield Strain | ASTM D-882 | % | 3.9 |
| Tensile Strength, Break | ASTM D-882 | psi | 8,400 |
| <u>Thermal Properties</u> | | | |
| Glass Transition temperature | DSC | °C | 90 |
| Melt Temperature | DSC | °C | 275 |
| <u>Physical Properties</u> | | | |
| Specific Gravity | ISO 1183 | - | 1.35 |
| Water Absorption, 24 Hours @ 73 °F | ISO 62 | % | 0.20 |
| <u>Electrical Properties</u> | | | |
| Dielectric Constant, 1 kHz | ASTM D-150 | - | 3.2 |
| Surface Resistivity | ASTM D-257 | ohms/sq. | 2.1×10^{17} |
| Volume Resistivity | ASTM D-257 | ohm-cm | 1.5×10^{17} |
| <u>Ignition Characteristics</u> | | | |
| Oxygen Index (LOI) | UL 94 | % | 47.0 |

The information presented in this publication is believed to be accurate and is not intended to constitute a specification. The values given reflect average material characteristics and may vary slightly between base suppliers. Users should evaluate the material to determine the suitability for their own particular application.

Base on terms and conditions

Seller's only obligation shall be to replace such quantity of the product proven to be defective. Seller shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use, or inability to use the product for his/her use, and the user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be changed, except by an agreement signed by an officer or seller. We hereby certify that goods covered by this quotation have been produced in compliance with the Fair Labor Standards Act of 1983, as amended. Any credit memos to purchaser shall expire if not used within one year from date of credit memo.

