

| TYPICAL PROPERTIES OF ECTFE (HALAR®) | | |
|---|---|-----------------------|
| ASTM or UL test | Property | ECTFE (Halar®) |
| PHYSICAL | | |
| D792 | Density (lb/in ³) (g/cm ³) | 0.061 1.68 |
| D570 | Water Absorption, 24 hrs (%) | < 0.1 |
| MECHANICAL | | |
| D638 | Tensile Strength (psi) | 7,000 |
| D638 | Tensile Modulus (psi) | 240,000 |
| D638 | Tensile Elongation at Break (%) | 200 |
| D790 | Flexural Strength (psi) | - |
| D790 | Flexural Modulus (psi) | 240,000 |
| D695 | Compressive Strength (psi) | - |
| D695 | Compressive Modulus (psi) | - |
| D2240 | Hardness, Rockwell | R93 |
| D256 | IZOD Notched Impact (ft-lb/in) | No Break |
| THERMAL | | |
| D696 | Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F) | 5.6 |
| D648 | Heat Deflection Temp (°F / °C) at 264 psi | 240 / 115 |
| D3418 | Melting Temp (°F / °C) | 460 / 238 |
| - | Max Operating Temp (°F / °C) | 300 / 149 |
| C177 | Thermal Conductivity (BTU-in/ft ² -hr-°F) (x 10 ⁻⁴ cal/cm-sec-°C) | 1.09 3.75 |
| UL94 | Flammability Rating | V-O |
| ELECTRICAL | | |
| D149 | Dielectric Strength (V/mil) short time, 1/8" thick | 500 |
| D150 | Dielectric Constant at 1 MHz | 2.5 |
| D150 | Dissipation Factor at 1 MHz | - |
| D257 | Volume Resistivity (ohm-cm)at 50% RH | 10 ¹⁵ |

These products are available from

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