GENERAL PROPERTIES

VITON is DuPont-Dow Elastomer’s trade name for fluorocarbon elastomers. Mykin’s fluorocarbon elastomers exhibit excellent resistance to high temperature and low compression set. They respond very well with resistance to ozone, high temperatures, oxygen, mineral oil, synthetic hydraulic fluids, fuels, aromatics and many organic solvents and chemicals over a temperature range of -20°F to +400°F. Low temperature resistance for static applications is limited to approximately -40°F (-40°C) under special formulation. Under dynamic conditions, the lowest service temperature is between 5°F and 0°F (-15°C and -18°C). Gas permeability is very low and similar to that of butyl rubber. Special formulation can also improve resistance to water, steam, acids and fuels.

<table>
<thead>
<tr>
<th>ASTM Designation</th>
<th>ORIGINAL PROPERTIES</th>
<th>ASTM D2000 SPECIFICATION</th>
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</thead>
<tbody>
<tr>
<td>Durometer, Shore A</td>
<td>75 +/- 5</td>
<td></td>
</tr>
<tr>
<td>Tensile, psi (MPa), Minimum</td>
<td>1450 (10)</td>
<td></td>
</tr>
<tr>
<td>Elongation, % Minimum</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

A1-10 HEAT AGE, 70 HRS @ 250°C
Durometer Change, Points | +10 |  |
Tensile Strength Change, % Maximum | -25 |  |
Elongation Change, % Maximum | -25 |  |

B38 COMPRESSION SET, 22 HRS @ 200°C
Original Deflection, % Maximum | 15 |  |

C12 RESISTANCE TO OZONE
ASTM D1171, Method B
No Cracks

C20 RESISTANCE TO OUTDOOR AGING
ASTM D1171
No Cracks

EF31 FUEL AGE, 70 HRS @23°C in Reference Fuel C
Durometer Change, Points | +/-5 |  |
Tensile Change, % Maximum | -25 |  |
Elongation Change, % Maximum | -20 |  |
Volume Change, % | 0/+10 |  |

EO88 FLUID RESISTANCE, 70 HRS @200°C in Stauffer 7700/SAE Fluid No. 2
Durometer Change, Points | -15/+5 |  |
Tensile Change, % Maximum | -40 |  |
Elongation Change, % Maximum | -20 |  |
Volume Change, % Maximum | +25 |  |

F15 LOW TEMPERATURE BRITTLENESS
ASTM D2137, Method A, 9.3.2
3 Minutes @ -25°C
Non-Brittle

SPECIFICATIONS MET
ASTM D2000-01 Grade M6HK810 A1-10 B38 C12 C20 EF31 EO88 F15