

| TYPICAL PROPERTIES OF POLYTETRAFLUOROETHYLENE-PERFLUOROMETHYLVINYLETHER (MFA) | | |
|---|---|-------------|
| ASTM | Property | MFA |
| MECHANICAL | | |
| D792 | Specific gravity | 2.12~2.17 |
| D638 | Elongation (%) | 300~600 |
| D638 | Tensile strength (psi) | 3400-4500 |
| D638 | Hardness durometer (Shore D) | 59 |
| D1894 | Coefficient of friction (Static) | 0.2 |
| D256 | Impact strength (Notched ft/lbs/in) Izod 73°F/23°C | No break |
| THERMAL | | |
| | Melting point (°C/°F) | 285°/545° |
| | Upper service temperature, 20,000 h (°C/°F) | 260°/500° |
| | Flame rating (UL 94) | VO |
| | Low temperature embrittlement (°C/°F) | -232°/-450° |
| ELECTRICAL | | |
| | Dielectric constant | |
| | D150/103 Hz | 2 |
| | D150/106 Hz | 2 |
| GENERAL | | |
| | Chemical/solvent resistance | Excellent |
| | Water absorption, 24 h (%) | <0.03 |
| D495 | Arc resistivity (%) | NA |
| | (s) | 240 |

| PHYSICAL PROPERTIES OF POLYURETHANE (PU) | | |
|--|------------------------|--------------|
| ASTM Test | Property | |
| D676 | Nominal Hardness | |
| | Shore A | 20-95 |
| | Shore D | 50-80 |
| D412 | Tensile strength (psi) | 2,000-12,000 |
| D624 | Tear strength die C | 100-1,200 |
| D395B | Compression set | 15-45 |
| D2632 | Bashore rebound (%) | 25-60 |
| D1630 | NBS abrasion index | 100-500 |

| PHYSICAL PROPERTIES OF POLYURETHANE (PU) | | |
|--|------------------------|-------------|
| ISO Test | Property | |
| ISO868 | Nominal Hardness | |
| | Shore A | 20-95 |
| | Shore D | 50-80 |
| ISO527 | Tensile strength (MPa) | 13.79-82.74 |
| ISO34 | Tear strength die C | 100-1,200 |
| ISO37 | Compression set | 15-45 |
| ISO4662 | Bashore rebound (%) | 25-60 |
| ASTM | NBS abrasion index | 100-500 |
| D1630 | | |

| TYPICAL PROPERTIES OF POLYTETRAFLUOROETHYLENE-PERFLUOROMETHYLVINYLETHER (MFA) | | |
|---|--|-------------|
| ISO | Property | MFA |
| MECHANICAL | | |
| ISO1183 | Specific gravity | 2.12~2.17 |
| ISO527 | Elongation (%) | 300~600 |
| ISO527 | Tensile strength (MPa) | 23.44-31.03 |
| ISO868 | Hardness durometer (Shore D) | 59 |
| ASTM | Coefficient of friction (Static) | 0.2 |
| D1894 | | |
| ISO180 | Notched izod impact strength (J/m) Izod 73°F/23°C | No break |
| THERMAL | | |
| | Melting point (°C/°F) | 285°/545° |
| | Upper service temperature, 20,000 h (°C/°F) | 260°/500° |
| | Flame rating (UL 94) | VO |
| | Low temperature embrittlement (°C/°F) | -232°/-450° |
| ELECTRICAL | | |
| | Dielectric constant | |
| | IEC250/103 Hz | 2 |
| | IEC250/106 Hz | 2 |
| GENERAL | | |
| | Chemical/solvent resistance | Excellent |
| | Water absorption, 24 h (%) | <0.03 |
| ASTM | Arc resistivity (%) | NA |
| D495 | (s) | 240 |



P&A Plastics Inc.
 150 Main St. East
 Hamilton ON L8N 3W9
 (800) 263-6559
 (905) 547-1675
 www.paplastics.com