

**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
D1984	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)	-268°/-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

**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)	-268°/-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	
D495	(%)	NA
	(s)	240