

## Material Data Sheet – ECTFE Clear Teflon

Physical	Typical Value Unit	Test Method
Specific Gravity	1.68	ASTM D792
Water Absorption	< 0.10%	ASTM D570
Mechanical	Typical Value Unit	Test Method
Taber Abrasion Resistance (1000 cycles, 500g, CS-17 wheel)	5.00 mg	ASTM D1894
Film	Typical Value Unit	Test Method
Thickness tested	50 µm	ASTMD882
Secant Modulus		
MD	1550 MPa	
TD	1550 MPa	
Film	Typical Value Unit	Test Method
Tensile strength		ASTM D882
MD : Break	53.0 MPa	
TD : Break	53.0 MPa	
Tensile elongation		ASTM D882
MD : Break	280%	
TD : Break	280%	
Thermal	Typical Value Unit	Test Method
Brittleness temperature	-76°C	ASTM D746A
Melting temperature	242°C	DMA
Specific Heat (23°C)	962 J/kg/°C	ASTM D3418
Thermal conductivity (40°C)	0.15 W/m/K	ASTM C177

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