

ECTFE Clear Teflon

Physical

Specific Gravity
Water Absorption

Typical Value Unit

1.68
< 0.10%

Test Method

ASTM D792
ASTM D570

Mechanical

Taber Abrasion Resistance
(1000 cycles, 500g, CS-17 wheel)

Typical Value Unit

5.00 mg

Test Method

ASTM D1894

Film

Thickness tested
Secant Modulus
MD
TD

Typical Value Unit

50 µm
1550 MPa
1550 MPa

Test Method

ASTMD882

Film

Tensile strength
MD : Break
TD : Break

Typical Value Unit

53.0 MPa
53.0 MPa

Test Method

ASTM D882

Tensile elongation

MD : Break
TD : Break

280%
280%

ASTM D882

Thermal

Brittleness temperature
Melting temperature
Specific Heat (23°C)
Thermal conductivity (40°C)

Typical Value Unit

-76°C
242°C
962 J/kg/°C
0.15 W/m/K

Test Method

ASTM D746A
DMA
ASTM D3418
ASTM C177

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LEADING MANUFACTURER AND SUPPLIER
OF PIPE SAFETY SHIELDS

 **FLANGE GUARDS.com**

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