

HTP 800 CLEAR PVC (SFM100)

Poly Vinyl Chloride (PVC) - FM4910 Fire Retardant Plastic



** HTP 800 is the registered trademark of

**WESTLAKE PLASTICS
COMPANY**

PRODUCT CAPABILITIES:

- Sheet Size : 1m x 2m
- Sheet Size : 1.2m x 2.4m
- Thickness : 3mm, 5mm, 8mm & 10mm

ADVANTAGES:

- Excellent Light Transmission
- Chemical Resistance
- Flame Resistance
- UL94 V-0 Rated
- Factory Mutual Standard (FM4910) For Flame Spread, Smoke Development And Corrosion Resistance (FM4910 Listing JI#3006348).

PRODUCT COLORS:

- Blue Tinted

APPLICATIONS INCLUDE:

- Fluid Handling
- Semiconductor Equipment
- Fire Safety Components
- Clear Windows And Doors

GENERAL PROPERTIES	ASTM or UL Test	HTP 800 Clear PVC (SFM 100) Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.41
Water Absorption, 24 hrs (%)	D570	0.016
MECHANICAL		
Tensile Strength (psi)	D638	8,700
Tensile Modulus (psi)	D638	–
Tensile Elongation at Break (%)	D638	45
Flexural Strength (psi)	D790	14,000
Flexural Modulus (psi)	D790	435,500
Compressive Strength (psi)	D695	–
Compressive Modulus (psi)	D695	–
Hardness, Rockwell	D785	M95 / R124
IZOD Notched Impact (ft-lb/in)	D256	1.4
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	–
Heat Deflection Temp (°F / °C) @ 264 psi	D648	170 / 76
Glass Transition Temp (°F / °C)	D3418	–
Max Operating Temp (°F / °C)	–	200 / 93
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	–
Flammability Rating	UL94	V-0
ELECTRICAL		
Dielectric Strength (V/mil) short time, 0.01" thk	D149	279
Dissipation Factor at 1 MHz	D150	–
Total Light Transmittance (%)	D1003	57(3mm), 33(10mm)

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.