



FMNE30, PVC (FM4910)

Poly Vinyl Chloride (PVC) - FM4910 Fire Retardant Plastic (Dissipative)



MITSUBISHI CHEMICAL INFRATEC

PRODUCT CAPABILITIES:

STOCK SHAPES

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

ADVANTAGES:

- Excellent Light Transmission
 - Dissipative
 - Chemical Resistance
 - Flame Resistance
 - UL94 V-0 Rated
 - Factory Mutual Standard (FM4910)
- For Flame Spread, Smoke Development And Corrosion Resistance (FM4910 Listing JI#3030806).

PRODUCT COLORS:

- Clear

APPLICATIONS INCLUDE:

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

GENERAL PROPERTIES	ASTM or UL Test	FMNE30 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	-
Water Absorption, 24 hrs (%)	D570	-
MECHANICAL		
Tensile Stress at Yield (MPa)	JIS K 7161-2	69
Nominal Strain at Break (%)	JIS K 7161-2	10
Modulus of Elasticity in Tension (MPa)	JIS K 7161-2	3,240
Flexural Strength (MPa)	JIS K 7171	99
Flexural Modulus of Elasticity (MPa)	JIS K 7171	3,300
Charpy Impact Strength (KJ /m ²)	JIS K 7111	3.1
Hardness (R-scale)	JIS K 7202	R119
THERMAL		
Vicat Softening Temperature (°C)	JIS K 7206	74
Deflection Temperature Under Load (°C)	JIS K 7191	70
Thermal Variation of Dimension (%) MD	JIS K 6745	-1.6
Thermal Variation of Dimension (%) TD	JIS K 6745	-0.9
ELECTRICAL		
Surface Resistivity (ohms/sq)	JIS K 6911	1.1 X 10 ⁷
Haze (%)	JIS K 7136	6.1 (5mm)
Total Light Transmittance (%)	JIS K 7361-1	63.6 (5mm)

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.