

FMNS33, FM PVC (FM4910)

Poly Vinyl Chloride (PVC) – FM4910 Fire Retardant Plastic (General)



MITSUBISHI CHEMICAL INFRATEC

PRODUCT CAPABILITIES:

STOCK SHAPES

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

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 J#3030806).

PRODUCT COLORS:

- Clear

APPLICATIONS INCLUDE:

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

GENERAL PROPERTIES	ASTM or UL Test	FMNS33 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	-
Water Absorption, 24hrs (%)	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	3,290
Flexural Strength (MPa)	JIS K 7171	96
Flexural Modulus of Elasticity (MPa)	JIS K 7171	3,210
Charpy Impact Strength (KJ /m ²)	JIS K 7111	3.0
Hardness (R-scale)	JIS K 7202	R119
THERMAL		
Vicat Softening Temperature (°C)	JIS K 7206	74
Deflection Temperature Under Load (°C)	JIS K 7191	69
Thermal Variation of Dimension (%) MD	JIS K 6745	-1.9
Thermal Variation of Dimension (%) TD	JIS K 6745	-0.9
ELECTRICAL		
Surface Resistivity (ohms/sq)	JIS K 6911	<10 ¹⁵
Haze (%)	JIS 7136	3.2 (5mm)
Total Light Transmittance (%)	JIS K 7361-1	72.9 (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.