

FM4910  
RATED  
PLASTICS

# FMNS33, FM PVC (FM4910)

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



**MITSUBISHI PLASTICS,  
INC.**

## 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 JI#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
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	D792	1.5
Water Absorption, 24 hrs (%)	D570	0.02
<b>MECHANICAL</b>		
Tensile Stress at Yield (MPa)	JIS K 7162	65
Nominal Strain at Break (%)	JIS K 7162	11
Modulus of Elasticity in Tension (MPa)	JIS K 7162	3,040
Flexural Strength (MPa)	JIS K 7171	90
Flexural Modulus of Elasticity (MPa)	JIS K 7171	3,030
Charpy Impact Strength (KJ /m <sup>2</sup> )	JIS K 7111	2.0
Hardness (R-scale)	JIS K 7202	H
<b>THERMAL</b>		
Vicat Softening Temperature (°C)	JIS K 7206	74
Deflection Temperature Under Load (°C)	JIS K 7191	65
Thermal Variation of Dimension (%) MD	JIS K 6745	-2.1
Thermal Variation of Dimension (%) TD	JIS K 6745	-0.7
<b>ELECTRICAL</b>		
Surface Resistivity (ohms/sq)	JIS K 6911	10 <sup>15</sup>
Haze (%)	JIS K 7136	2.4 (5mm)
Total Light Transmittance (%)	JIS K 7361-1	71.5 (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.

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