

# PVDF-HFP Film

**Formula:** FKM

**Thickness:** 2mm

**Length 1:** 300mm

**Length 2:** 300mm

**Type:** Non-conducting

**Colour:** Black

**CAS Number:** 9011-17-0

**UOM Code:** 191-269-42

**SKU:** 1000075108-group

**Product Code:** FV31-SH-000300

## Material Properties for Polymers

### Chemical Resistance

Element	Value
Acids - concentrated	Good-Fair
Acids - dilute	Good
Alcohols	Good-Fair
Alkalis	Good-Fair
Aromatic hydrocarbons	Good-Fair
Greases and Oils	Good-Fair
Halogenated Hydrocarbons	Good-Fair
Halogens	Good
Ketones	Poor

### Physical Properties

Element	Value
Flammability	Self Extinguishing
Radiation resistance	Poor
Resistance to Ultra-violet	Excellent
Density( gcm <sup>3</sup> )	2

### Mechanical Properties

<b>Element</b>	<b>Value</b>
Hardness - Rockwell	Shore A75
Compression set after 24 hr at 175C( % )	43
Elongation at break( % )	200
Tensile strength( MPa )	9
Tear strength( N mm <sup>-1</sup> )	10

### **Thermal Properties**

<b>Element</b>	<b>Value</b>
Lower working temperature( C )	40
Upper working temperature( C )	220-300
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	0.2@23°C
Coefficient of thermal expansion( x10 <sup>-4</sup> K <sup>-1</sup> )	160