

# PHB/PHV 8% Film

**Formula:** PHB92/PHV 8

**Thickness:** 0.01mm

**Length 1:** 200mm

**Length 2:** 200mm

**Category:** Green Production

**Type:** Biodegradable

**CAS Number:** 29435-48-1

**UOM Code:** 001-621-44

**SKU:** 1000000198-group

**Product Code:** BV30-FM-000110

## Material Properties for Polymers

### Chemical Resistance

Element	Value
Acids - dilute	Fair
Alcohols	Fair
Alkalis	Poor
Greases and Oils	Good

### Electrical Properties

Element	Value
Dielectric constant @ 1MHz	3
Volume resistivity( Ohmcm )	10 <sup>17</sup>

### Physical Properties

Element	Value
Resistance to Ultra-violet	Fair
Density( gcm <sup>3</sup> )	1.25

### Mechanical Properties

Element	Value
Elongation at break( % )	15

<b>Element</b>	<b>Value</b>
Tensile modulus( GPa )	0.9
Izod impact strength( J m <sup>2</sup> )	100
Tensile strength( MPa )	28

### **Thermal Properties**

<b>Element</b>	<b>Value</b>
Specific heat( J K <sup>-1</sup> kg <sup>-1</sup> )	1400
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	0.15@23°C