

# PHB Film

**Formula:** PHB

**Thickness:** 2mm

**Length 1:** 100mm

**Length 2:** 100mm

**Category:** Green Production

**Production Method:** Compression Moulded

**Colour:** Natural

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

**UOM Code:** 698-776-37

**SKU:** 1000036421-group

**Product Code:** BU39-SH-000101

## 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 )	$10^{1?}$

### Physical Properties

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

### Mechanical Properties

Element	Value
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Elongation at break( % )	6
Tensile modulus( GPa )	3.5
Izod impact strength( J m <sup>2</sup> )	35-60
Tensile strength( MPa )	40

## **Thermal Properties**

<b>Element</b>	<b>Value</b>
Upper working temperature( C )	95