# uki is one of Europe's largest suppliers of electrical insulation materials and flexible films

### **UK Insulations Product Information**

## Cellophane PUT

#### **Product Features**

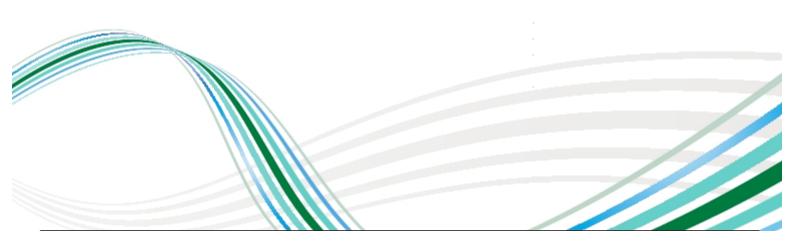
Uncoated regenerated cellulose film (RCF) with high mechanical strength. Excellent transparency and gloss Highly permeable to water vapour Biodegradable Static free and easy tearing Anti-static properties

#### **Applications**

Developed for use as a base for the manufacture of adhesive tapes.

 $\textbf{Technical Properties} \textbf{-} \textbf{All properties are tested under standard laboratory conditions: } 23 \pm 2^{\circ}\text{C}; 50 \pm 5\% \text{ RH, unless otherwise stated.}$ 

Property	Test Method	<b>Test Conditions</b>	Units	PUT			
Troperty				400	450	500	
Thickness	Films test		micron	27.7	31.2	34.7	
Yield	Films test		m/kg g/m²	25.0 40.0	22.2 45.0	20.0 50.0	
Permeability to: Water vapour	ASTM E 96	38°C 90% RH	g/m .24 hrs	>1500			
Oxygen	ASTM F 1927	23°C 0-5% RH	cc/m .24 hrs. bar	3		3	
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.70 0.50			
Tensile strength	ASTM D 882		MN/m <sup>2</sup> MD TD	125 70			
Elongation at break	ASTM D 882		% MD TD	22 70			
Elasticity modulus (1% secant)	ASTM D 882		MN/m <sup>2</sup> MD TD	>3000 >1500		0	
Sealing range	Innovia Films test	0.5 secs;	°C	Not applicable			



#### **Reel Lengths**

Film	Length/(metres)			
	Standard	Double Standard		
400PUT	2600	5200		
450PUT	2300	4600		
500PUT	2000	4000		

Other reel lengths are available subject to negotiation.

#### **Approximate Outside Diameter vs Core Size**

Core Size	Approximate Outside Diameter/(mm)			
/(mm)	Standard	Double Standard		
77	330	non-standard		
153	non-standard	450		

#### **Sheets**

We can provide sheets to a range of sizes and shapes upon request.

#### Film Storage

To maintain the high quality of this product during storage it is recommended that Cellophane PUT/PUC should be stored in its original wrapping away from any source of local heating or direct sunlight. Recommended conditions of storage are:

Temperature: 17-23°C Relative Humidity: 35-55%

Cellophane PUT/PUC is suitable for use for 6 months from the date of delivery and stocks should be used in rotation.

Films should be allowed to reach operating room temperatures for 24 hours before use.

#### **Food Contact**

Cellophane PUT/PUC is designed for use as an adhesive tape base and is not intended for direct food contact applications.

