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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.

Technical Properties - All properties are tested under standard laboratory conditions: 23± 2°C; 50±5% RH, unless otherwise stated.

Property	Test Method	Test Conditions	Units	PUT		
				400	450	500
Thickness	Films test		micron	27.7	31.2	34.7
Yield	Films test		m /kg g / m ²	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 ² hrs	>1500		
Oxygen	ASTM F 1927	23°C 0-5% RH	cc/m .24 ³ hrs. bar	3		
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic			0.70 0.50	
Tensile strength	ASTM D 882		MN/m °MD TD		125 70	
Elongation at break	ASTM D 882		% MD TD		22 70	
Elasticity modulus (1% secant)	ASTM D 882		MN/m °MD TD			>3000 >1500
Sealing range	Innovia Films test	0.5 secs; 60 kN/m ²	°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 /(mm)	Approximate Outside Diameter/(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.