

FILM REFERENCE:

THICKNESS (µm):

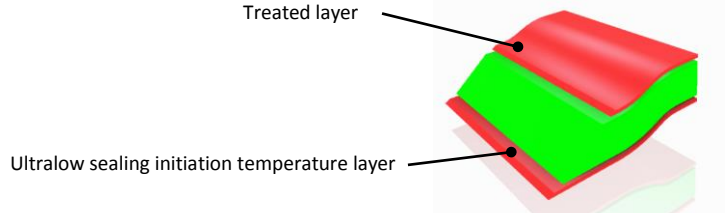
**CPULS\_ \_\_TT** (CPULS\_LETT, CPULS\_LITT)

**20-70**

Heatsealable CPP film at ultralow temperature for lamination

**1. PRODUCT FEATURES**

- Ultralow sealing initiation temperature.
- Good optical and mechanical properties.
- Good tear and puncture resistance.
- Good barrier to humidity, oils and fats.
- Antistatic properties.
- Suitable for sterilization.



**2. MIGRATION CHARACTERISTICS**

- Complies with the specifications in force.

**3. USE**

- Food industry. The film complies with the EU and FDA regulations for use in contact with food.
- **Main application: standard lamination.**

PROPERTIES		UNIT	VALUE APPLIED TO CPULS_ __TT								TOLERANCE	TEST METHOD
Thickness		µm	20	25	30	35	40	45	50	70	<40 µm ±7.5% ≥40 µm ±5%	ISO 4591
Unit weight		g/m <sup>2</sup>	18.1	22.6	27.2	31.7	36.2	40.7	45.3	63.4	±8%	ISO 4591
Yield		m <sup>2</sup> /kg	55.2	44.2	36.8	31.6	27.6	24.6	22.1	15.8	±8%	ISO 4591
Tensile strength at break	MD	N/mm <sup>2</sup>	45								≥ N-5	ISO 527
	TD		25								≥ N-5	
Elongation at break	MD	%	450								≥ N-50	ISO 527
	TD		550								≥ N-50	
Surface treatment level	TS	dynes/cm	38								≥ 36	ISO 8296
	US		35								<36	
Resistance term sealing		N/15 mm	4.5		6.5			10.0		≥N-0.5	DIN 55529	
Initial temperature sealing		°C	90								≤N+5	DIN 55529
Haze		%	1.5		5.0						≤N+1	ASTM D-1003
Gloss 45°			80								≥N-5	ASTM D - 2457
Dynamic friction coefficient TS/TS			0.45								≥N-0.15	ISO 8295
Dynamic friction coefficient US/US			0.15								≤N+0.05	

MD = Longitudinal direction      TS = Treated side  
 TD = Transversal direction      US = Untreated side  
 Other information is available upon request

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**4. GENERAL CHARACTERISTICS COILS**

WIDTH:	300 to 2.500 mm
MAXIMUM OUTER DIAMETER:	775 mm <sup>1</sup>
INTERNAL DIAMETER OF TUBE:	76-152 mm
TREATMENT:	EXTERNAL/INTERNAL <sup>1</sup>

<sup>1</sup>Other options are available upon request**5. STORAGE CONDITIONS**

For optimum performance of the film its storage is recommended in a protected area from high humidity and a temperature below 30 °C.

Material should be conditioned at room temperature at least 24h before its use.

It is recommended to keep the coils in their original packaging until time of use. In case of partial use of a pallet of coils, remaining material should be kept without leaning on a hard surface.

**6. CONTACT WITH FOOD**

The film complies with the EU and FDA regulations for use in contact with food.

Refer to specific information.

**7. SECURITY CONDITIONS FOR FILM HANDLING**

Safety data sheet is available upon customer request.

**8. USE WARRANTY**

This film maintains its optimal properties for use up to three months after production.

**9. NOTES**

This information should be considered only for guidance; it is based on tests conducted in our laboratory and should not be considered as collateral for a customer's specific application.