

# CYCLPAC

## TECHNICAL DATA SHEET

Name	CPDL				
Type	CPDL25				
No.	Test Item		Unit	Result	
1	AVERAGE THICKNESS		$\mu\text{m}$	24.3	
2	AVERAGE THICKNESS DEVIATION		%	2.5	
3	TENSILE STRENGTH	MD	Mpa	84.6	
		TD	Mpa	181.1	
4	ELONGATION	MD	%	231.7	
		TD	%	58.4	
5	THERMAL SHRINKAGE	MD	%	4	
		TD	%	3	
6	PERMEABILITY	WVTR (23°C, 100% H.R.)	(g/m <sup>2</sup> /day)	ASTM F 1249	5.54
		OTR (23°C, 0% H.R.)	(ml/m <sup>2</sup> /day)	ASTM D 3985	5450
7	HEAT SEALING RANGE		°C	110      140	
8	HOT TACK STRENGTH	25mm, Sealing time 0.5s, Cooling 0.1s, Pressure 0.275N/mm <sup>2</sup> , Peeling speed: 200mm/s		ASTMF1921	
		TEMPERATURE °C	25MU	27MU	30MU
		90	2.4	2.6	2.1
		100	2.4	3.5	2.8
		110	2.8	3.3	3.2
		120	2.3	3.5	2.9
		130	1.6	2	2.2
9	HEAT SEALING STRENGTH	15MM, Sealing Temperature: 120°C, Sealing time 1.0s, Pressure 0.18MPa, Peeling speed 100mm/min		GB/T10003-2008	
		100	4.85	4.64	5.29
		110	4.5	5.64	5.45
		120	5.4	7.3	8.55
		130	8.37	10.27	9.09
		140	12.91	17.72	15.27
10	COEFFICIENT OF FRICTION		In/in	0.35	
			Out/out	0.34	
11	HAZE		%	1.5	
12	LUMINOUSNESS		%	n/a	
13	WHITENESS		%	n/a	
14	GLOSSINESS		%	C93.2/ NC91.6	
15	CORONA TREATMENT		mN/m	36	

	THICKNESS	Density (g/cm <sup>3</sup> )	Unit Weight (g/m <sup>2</sup> )
16	20	0.925	18.5
	25	0.925	23.1
	30	0.925	27.8
	40	0.925	37

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The values are typical

1. Store in a dry place at temperatures 10-26°C protected from direct sunlight
2. Shelf Life: 12 months
3. The information contained in COA is subject to changes due to end-use conditions. It is offered as a guide only and is not intended to replace any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes.

The information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, Cyclpac makes no warranties and assumes no liability in connection with any use of this information. All rights reserved