



# CC5A CoreCard Film - Biodegradable

## DESCRIPTION:

CC5A CoreCard Film – Biodegradable is a proprietary durable “Hybrid Polyester” optimized for Platen Press Lamination. CC5A has improved durability over other polyesters and in a typical 60/40 composite PVC card construction using two 6.5 mil layers around PVC. It can attain 100,000 flexes with no breakage.

## CHARACTERISTICS:

- Available in thickness from 6.5 mil (150 micron) to 20 mil (500 micron).
- Provides excellent bond to PVC (Requires coated version for print adhesion).
- Can be converted at normal PVC settings.
- “Green” – No PVC
- Monolayer (Single layer with no adhesion layers except for Print treat layer for printed core performance).
- More durable in flex life than standard PETg.
- Environmentally friendly.
- Will biodegrade when disposed of in the natural environment (landfill or other microorganism-rich area as in ASTM D5209-91, ASTM D5338.98, and ASTM 5511). Expected range for this process is 9 months – 5 years.
- Does NOT measurably biodegrade from conventional product usage in open air or storage.

## TECHNICAL DATA:

PROPERTIES	Unit	6.5 mil	12 mil	TEST METHOD	
THICKNESS ± 10%	Inches	.0065"	.012	T 411	
	Micron	150	300		
YIELD in <sup>2</sup> /lb	in <sup>2</sup> /lb	3067	1660	T 410	
	m <sup>2</sup> /kg	4.4	2.4		
SPECIFIC GRAVITY g/cm <sup>3</sup>	g/cm <sup>3</sup>	1.39	1.39	D 1505	
TENSILE STRENGTH psi	MD	psi	5800	5800	D 882
			TD		
	MD	kg/cm <sup>2</sup>	408	408	
			TD		
ELONGATION	MD	%	300	300	D 882
			TD		
TEAR RESISTANCE - Initiated	MD	lb f	0.5	1.9	D 1938
			TD		
	MD	kg f	.227	.862	
			TD		
TEAR RESISTANCE - Uninitiated	MD	lb f	4.4	8.3	D 1004
			TD		
	MD	kg f	1.996	3.765	
			TD		
WETTING TENSION		Dynes/cm <sup>2</sup>	44 – 52	44 – 52	T 698
STIFFNESS	MD	Taber Units	5 - 7	17 – 18	
			TD	5 – 7	
LIGHT TRANSMITTANCE		%	7.1 – 11.2	2.8 – 4.5	
PLATEN PRESS TEMPERATURE RANGE -			°F	265 – 290	
			°C	130 – 145	

NOTE: All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Transilwrap shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

Revision Date: 3/09/2009

