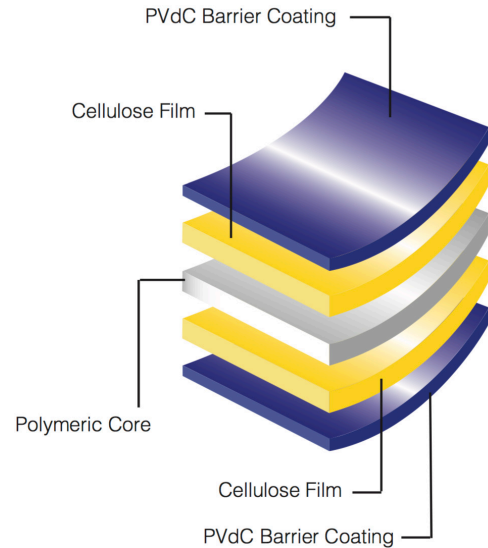


TRANSCELLO® CELLOPLUS

FEATURES – REINFORCED CELLOPHANE FILM

TRANSCELLO® CelloPlus films are a composite structure of 2 thin Cellophane films with a thin polymeric web in the center. The finished films are coated with PVdC on both sides.

- Currently available in 2 versions:
 - TRANSCELLO® CelloPlus T – Transparent version
 - TRANSCELLO® CelloPlus M – Metallized version
- Excellent barrier to water vapor, gases and aromas
- Excellent dead-fold characteristics
- Resistant to oils and greases
- Heat-sealable on both sides
- Both sides of the film are receptive to inks, adhesives and tear tapes
- Excellent durability and stability
- High gloss
- Inherent anti-static properties



APPLICATIONS

TRANSCELLO® CelloPlus has been developed for a wide range of applications requiring high moisture and gas barrier. It has properties that compare favorably with classical laminations. Generally used as a single film for medium to large packs on vertical or horizontal form-fill-seal machines.

Particularly suitable for the packaging of snack foods, dried foods, nuts and coffee. It is also widely used for high quality bag making applications. Its deadfold and rigidity make it particularly suitable for block-bottom bags.

TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTY	TEST BASIS	TEST CONDITIONS	UNITS	CELLOPLUS		
				T	M	
THICKNESS	Transcendia test	-	mil	1.89	1.90	
YIELD	Transcendia test	-	in ² /lb	11300	10400	
PERMEABILITY TO:	WATER VAPOR	ASTM E96	100°F 90% RH	g/100in ² .24 hrs	<0.4	<0.3
	OXYGEN	ASTM F 1927	73°F 0% RH	cc/100in ² .24 hrs	<0.07	<0.02
TENSILE STRENGTH	ASTM D 882	-	kpsi	MD	22	17.7
				TD	16	13.5
ELONGATION AT BREAK	ASTM D 882	-	%	MD	30	30
				TD	85	110
SEAL STRENGTH	Transcendia test	275°F; 0.5 secs; 10 psi	g(f)/1½in	400	350	

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 test. Transcendia 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.

FOOD CONTACT

TRANSCELLO® CelloPlus is formulated to comply with US legislation for many room temperature food contact applications. Customers intending to use the film in a food contact application must request the Declaration of Compliance which gives full details. For information on other countries please contact your Transcendia Sales Office.

HEALTH AND SAFETY GUIDELINES

For Health and Safety information, please refer to literature reference A190.

FILM STORAGE

To maintain the high quality of these products during storage it is recommended that all TRANSCELLO® CelloPlus films should be stored in their original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 60-75°F

Relative Humidity: 35-55%

TRANSCELLO® CelloPlus films should be converted within 6 months from the date of manufacture and stocks should be used in rotation according to date of delivery. Films should be allowed to reach operating room temperatures for 24 hours before use.

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