

## Technical Data Sheet

Rev.5. 21.03.03

### APET 012 - APET or rPET/PE/EVOH/PE Laminate (Peelable) (APET or rPET film laminated with 5my EVOH & PE PE/EVOH/PE) HIGH OXYGEN BARRIER FOOD GRADE

APET is the favored food packaging film worldwide with excellent clarity.  
 APET is fully recyclable, easily formed & imparts excellent barrier properties in food packaging applications and has a small carbon footprint.  
 PE film is FDA grade suitable for both food contact & sealing layer for lidding.  
 EVOH is an ultra high oxygen barrier for extended shelf life for food packaging.

#### PHYSICAL PROPERTIES

Property	Unit	Nominal Value	Test Method
Specific gravity	g/cm <sup>3</sup>	1.34	ASTM D 1503
Specific gravity (PE)	g/cm <sup>3</sup>	0.95	ASTM D 1503
Tensile strength	kgf/Cm <sup>2</sup>	325	ASTM D 882
Izod impact strength @23°C ( 73°F )	J/m <sup>2</sup>	45	ASTM D 256
Heat distortion temp. @0.455mpa ( 66 psi )	°C	65-70	ASTM D 648
Vicat softening point (@ 5kg load)	°C	71 (+/-2)	ASTM D 1525
Thermoforming Temp.	°C	125-150	-
Peel Strength	N/15mm	≥5	Inhouse INSTRON

#### BARRIER PROPERTIES

Oxygen barrier	cc	<- 2cc/m <sup>2</sup> /24hr atm	ASTM D 3895
CO2 barrier	cc	<- 9cc/m <sup>2</sup> /24hr atm	ASTM D 3895

#### GENERAL SPECIFICATIONS

- Maximum 80% post-consumer recycled content
- Surface silicone & internal antiblock/corona treatment on request
- Antifog & Antistatic coatings on request
- Gauges from 150micron to 1.4mm thickness
- Maximum roll width : 1,800mm
- No black specks over 0.8mm/m<sup>2</sup> and allowed 0.3~0.8mm, max 30pcs/m<sup>2</sup>
- Standard core diameter 76mm or 152mm

#### CERTIFICATIONS

- |                                       |                  |
|---------------------------------------|------------------|
| - USFDA CFR 21 : SECTION 177.1630     | - ISO 9001/14001 |
| - EU 10.2011. Migration               | - SGS REACH      |
| - CONEG limits on heavy metal content | - SGS EU 94/62   |

All data is based on in-house testing and are believed to be typical values when measured under laboratory condition.  
 Actual performance of the product described here in, and suitability for use is the responsibility of an end user.