



TOPGUARD

NB 3010 CH

Description

TOPGUARD NB 3010 CH is a transparent, one side heat sealable, both sides nontreated, multilayer high barrier film.

It is specially designed as bottom foil of thermoformed packaging applications where excellent oxygen barrier is required such as cheese, processed meat, bakery products and pastry, etc.

Also suitable for thermoforming, flexible packaging and vacuum packaging applications.

Properties

- Broad seal range on one side
- Excellent hot tack and heat seal strength
- Excellent high barrier properties
- Good mechanical behaviour after thermoforming
- Excellent optics after thermoforming
- High toughness and impact resistance
- Excellent resistance to chemicals, greases and oils
- The film shelf life is 6 months

Technical Features

PROPERTIES	TEST METHOD	UNITS	NB 3010 CH	
THICKNESS	ASTM F 2251	micron	115	150
		Gauge	460	600
YIELD	ASTM D 4321	m ² /kg	8,6	6,6
		in ² /Lbs	6.050	4.600
UNIT WEIGHT	ASTM D 4321	g/m ²	116.3	151.5
HAZE	ASTM D 1003	%	15	30
GLOSS (45 °)	ASTM D 2457	%	60	
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D 3985	cc/m ² /24hrs	< 1.0	
		cc/100in ² /24hrs	< 0.06	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F 1249	g/m ² /24hrs	2.0	
		g/100in ² /24hrs	0.13	
COEFFICIENT OF FRICTION	ASTM D 1894	Film/Film	0,40	
		Film/Metal	0,30	
SURFACE TENSION	ASTM D 2578	Dyne/cm	Treated Side	-
			Other Side	-
HEATSEAL RANGE (*)	ASTM F 88	°C	115-160	
		°F	239-320	
HEATSEAL STRENGTH (*) (120 °C, 1 MPa, 1 s)	ASTM F 88	N/15mm	6	

(*) Sealant Side / Sealant Side

Product Identification (Decision 97/129/EC): PP5

Regulatory Status

Our product complies with the applicable EC legislation on packaging involving direct contact with foods except metallized films. Full details are given on the Regulatory Compliance Certificate and can be found on our web site.

The information contained in this data sheet is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Above values are to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customers to determine final suitability for their specific end uses.

Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing, pending or future patents.

For related spec sheet with tolerance values, please contact our sales departments

STANDARD ROLL DIMENSIONS			
CORE INNER DIAMETER (ID)	CORE OUTER DIAMETER (OD)	LENGTH TOLERANCE	WIDTH TOLERANCE
76 mm (3 in) & 152 mm (6 in)	530 mm & 790 mm *	± % 10 for all OD's	- 0 & + 1 mm