



Ashkal FF90 - Sealing Layer PE Film

Application : Frozen vegetables / meat / chicken / seafood

Suitable for 12/10u PET+ 50-90u PE laminate Structures



Packaging of frozen foods, especially meat and seafood products the key challenge has always been to ensure the ability of laminate to withstand freezing temperatures from -18/-25 C for longer periods. At these temperatures, polymeric substrates tend to become brittle and develop and can develop micro-cracks. This can be disastrous on the retail shelves as it can lead to cross-contamination of products. Ashkal FP90 is designed to withstand such temperatures and yet offer flexibility to the substrate to handle the twist and turns at the hands of the retailers/customers.

Ashkal FP90, also offers the printing converters to design pouches with windows, for the product to be visible. For this to be possible, the sealing layer film must have excellent optical properties. In addition to that, the film must also have anti-cold fog properties. Ashkal FP 90 offers that ability to the film, that makes the product clearly visible to the consumer offering them a chance to make an informed purchase decision.

Key Features / Advantages

- Retain all mechanical properties even at colder temperatures of -18/-20 C – Product pouches remain safe and reduced the danger of cross-contamination – Huge relief to retailers and assurance to customers.
- High clarity film – Converter can design pouches with windows.
- Reduced cold fog deposition - Consumers can see what they are buying – Improves retail speed of packed food items.

PROPERTIES	TEST METHOD	TYPE	Unit		Typical value							
			MICRON		25	30	40	50	60	70	80	90
FILM THICKNESS	ASHKAL METHOD	N/A	Tolerance +/-	8%	8%	8%	7%	7%	5%	5%	5%	5%
WIDTH	ASHKAL METHOD	N/A	MM	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0
FILM DENSITY	ASHKAL METHOD	N/A	gm/cm ³	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
GRMMAGE	ASHKAL METHOD	N/A	gm/m ²	23.00	27.60	36.80	46.00	55.20	64.40	73.60	82.80	92.00
TENSILE STRENGTH	ASTM D-882	MD	Kg/cm ²	140	170	180	200	210	220	240	260	260
		TD		120	180	160	190	200	210	220	240	250
ELONGATION @ BREAK	ASTM D-882	MD	%	280	300	350	400	450	450	500	500	550
		TD	%	300	350	400	450	500	500	600	650	650
TREATMENT LEVEL	ASHKAL METHOD	N/A	Dynes/Cm	> 38								
COEFFICIENT OF FRICTION	ASTM D-1894	UNTREATED (F/M)	DYNAMIC	0.15 to 0.25								
COEFFICIENT OF FRICTION	ASTM D-1894	UNTREATED (F/F)	DYNAMIC	0.10 to 0.20								
DART IMPACT**	ISO 7765-1	FILM SURFACE	Gm.	> 3.0 g/μ								
OPACITY	ASHKAL METHOD	NA	%	NA								
OTR		CC/m ² /24 hr		7000-8500								
WVTR		g/m2/24 hr		16-23								
ROLL OD (Max.)	ASHKAL METHOD	N/A	MM	800 mm								
CORE ID	ASHKAL METHOD	N/A	MM	152/76								

** Dart Impact values depends of film width and can vary between 2.0 g/μ to > 3.0 g/μ

Maximum Film Thickness 200mic & TDS available on request.

STORAGE, HANDLING AND APPLICATION/RECOMMENDATIONS:

Storage must be in a dry environment away from direct sunlight at temperature below 30 oC.

The film will maintain consistent performance over a period of up to 6 months from date of manufacture and should be converted prior to this time. Prolong storage may cause problems of machine ability, function ability or blocking on account of elastic memory of thermoplastic films. Before using this product, customer and other users should make their own independent determination that this product is suitable for their intended use and is solely responsible for all determinations regarding use of the material.

FOOD CONTACT COMPLIANCE:

Our film fully meets the overall migration requirements and is therefore Suitable for direct food contact and it's comply with EC Directive 94/62/EC, UK Statutory Instrument 2003 No. 1941, As amended, and the CONEG Regulations (USA/Canada).

DECLARATION:

While the information provided is accurate to the best of our knowledge as of the date compiled, it is limited to the information as specified. Ashkal (FZE), reserves the right to modify these data if necessary without prior notice and nothing herein is not intended nor should be construed as a warranty, expressed or implied. Ashkal (FZE). Also disclaims liability for any loss or damages that may occur from the use of this information