OPPalyte[™] 42 WOS-RH film improves operations and reduces total costs for frozen novelty ice cream products

Jindal Films' OPPalyte[™] 42 WOS-RH film is a one-side sealable film that has been designed to improve operations and reduce total cost of use for wrapping frozen novelty ice cream products.

OPPalyte 42 WOS-RH film is engineered with proprietary surface technology for robust machine performance in the highly variable relative humidity (RH) conditions encountered in frozen novelty foods manufacturing facilities. As a result, OPPalyte 42 WOS-RH film helps improve line efficiency, increase output, and reduce downtime and product waste compared to other film and paper currently being used.

Required hot water/steam cleaning of frozen dairy production assets often leads to condensation build-up on packaging lines which can negatively affect performance. OPPalyte 42 WOS-RH film is designed to provide consistent line performance in both single- and multi-lane wrappers during these adverse high humidity conditions.

The cavitated core of OPPalyte 42 WOS-RH film gives high opacity and a bright white appearance. This enables design of glossy, eye-catching packaging to attract retail consumers, including the impulse purchasers of on-the-go-treats.

The film has excellent seal strength, puncture resistance, very good ink adhesion and converting performance. It helps eliminate sticking and tearing so pieces of the wrapper are not left on the frozen novelty.

OPPalyte 42 WOS-RH film is well suited for replacement of paper packaging in frozen novelties such as ice cream cones and sandwiches, ice cream bars on a stick, chocolate-coated ice cream bars, fruit bars, and water ice products.



Benefits

- improved operations in high humidity environments
- lower total cost of use
- provides excellent print quality and ink adhesion
- enables glossy, eye-catching package designs for impulse purchases







OPPalyte[™] 42 WOS-RH film has been designed to meet the specific wrapping requirements of multi-lane packaging equipment in high humidity environments.

Performance characteristics	Property	OPPalyte 42 WOS-RH film Preliminary properties
Appearance		
Light blocking Opaque, bright white to hide product and present graphics	Light transmission	30%
	Opacity	80%
Shine Smooth and shiny to attract impulse buyers	Gloss, 45° outside	60
Machineability		
Stiffness Stiffness to maintain upright V-shape through the entire web path and fin sealing apparatus	Gauge (mil)	1.65
	Stiffness	Outstanding
Slip characteristics Low, consistent slip to minimize metal drag in high humidity conditions and over heated platens	COF, out/out	.27
	Hot slip, out/metal	Outstanding
Low temperature sealing Broad sealing range to avoid adding unnecessary heat to process	Heat seal range1, in/in	90° F 51° C
	Minimum sealing temperature ¹ , in/in	210° F (99° C)
Minimal web breaks Moisture will not weaken OPP film causing web breaks	Wet tear resistance	Outstanding
Product Protection and Package Functionality		
Package durability Minimizes open seals or puncture in distribution	Seal strength1 (g/in) in/in	500
	Puncture resistance	Excellent
Moisture vapor resistant Does not adhere to frozen product like paper can. Good water vapor barrier	WVTR @ 100 °F (38 °C), 90%RH(g/100in²/24hr)	.37

¹ All values related to sealing properties are measured in a laboratory. Crimp seals are produced at 20 psi and 0.75 second dwell time. MST is the minimum sealing temperature to achieve 200 g/n crimp seal strength.

Jindal Films has been at the forefront of technology innovation in the frozen novelty ice cream market for over 20 years. Harness this market expertise to improve operability and reduce costs.



Count on Jindal Films

The Films Business of Jindal Films is a leading global OPP film supplier with the broadest range of aqueous coated film solutions for the flexible packaging market. If you're looking to develop innovative flexible packaging solutions, try Bicor films from Jindal Films.

Contact your Jindal Films representative for more information

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