



NanoSeal™ Barrier Coating

Product Description: NSC-60PL

NSC-60PL is a water based coating comprised of a masterbatch and a liquid dispersion of clay platelets. This formulation is an update and replaces NSC-100A coating. The coating is applied to traditional packaging films such as POLYESTER, POLYPROPYLENE, NYLON and PLA to create exceptional gas barriers to oxygen and several other gases. The coating is applied with either rotogravure or flexographic systems. NanoSeal™ NSC-60PL is approved for indirect food contact for use primarily with dry and moderately dry food applications.

Viscosity Range of the Masterbatch:

23 to 27 seconds with #2 Zahn Cup

Typical OTR Barriers @ 0.25 to 0.30 micron coating thickness:

BOPP	0.30 – 0.50 cc/100 in ² /24 hours @1 Atm.
PET	0.10 – 0.30 cc/100 in ² /24 hours @1 Atm.
BON	0.10 – 0.30 cc/100 in ² /24 hours @1 Atm.
PLA	0.10 – 0.30 cc/100 in ² /24 hours @1 Atm.

Preferred Applications:

Dry mix ingredients, nuts, confections, snacks, pet food, bakery, coffee, tea, spices seasoning mixes

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Disclaimer

Note: These values are typical performance data for NanoSeal™ NSC-60PL barrier coating on GENERIC films normally used for printing and laminating. We believe this information is the best currently available on the subject. It is subject to revision as additional knowledge and experience is gained. NanoPack Inc. makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents. Users are advised to determine the safety and suitability of each product or product combination for their own purposes.

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