

S-394 N5

Polyethylene Wax Powder

Product Description:

S-394 N5 is a polyethylene wax powder with narrow melt point temperature range and reduced solubility for use in a wide range of inks and coatings. It has a fairly high melt point, with a softening point only a few degrees lower.

Application:

S-394 N5 is easily incorporated with mild agitation (or high speed mixing equipment). S-394 N5 is compatible with PTFE at levels of 0.5 – 1.0% (SST-2 or SST-3).

Inks: Liquid and Paste Inks. S-394 N5 provides excellent rub resistance, excellent imprintability and freedom from overprint varnish “crawling.” It is ideal for ink applications requiring only a light canning pass. It is used in paste inks with normal three-roll milling.








Coatings: Can, Coil, Powder, Wood, Industrial, and UV Coatings. S-394 N5 enhances mar resistance, recoatability, hardness, and anti-blocking characteristics.

Recommended Level:

Inks:	1.0 to 2.0% of total formula weight for liquid inks. 2.0 to 3.0% of total formula weight for paste inks.
Coatings:	2.0 to 3.0% of total formula weight.

Note: Higher concentrations of S-394 N5 may cause gloss reduction.

Typical Properties:

 Appearance:	Off-White Powder
 Specific Gravity:	0.95 g/cm ³
 Particle Size Mean Value:	7 – 9 µm
 99% of Particle Under:	25 µm
 NPIRI Grind:	3.0 – 4.5 Max
 Hegman Grind:	6.0 – 7.0 Min
 DSC Melting Point:	235°F / 113°C

Regulatory Status

The components of this product are listed on multiple chemical inventories. For specific information on the applicable chemical inventories, please refer to the product SDS.

Safety, Shipping and Handling

For complete shipping, handling, health and safety information please contact your regional Customer Service Representative. Please contact them at your convenience for instructions and Material Safety Data Sheets, the contact information is located below.

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