

UNIPLEX FP-766

Fluorochemical Greaseproof Agent for Paper and Paperboard

Overview Uniplex FP-766 is a FDA approved, water soluble fluorochemical agent that imparts a high degree of oil and grease resistance to paper and paperboard. It also imparts a sizing effect, and water resistance. Uniplex FP-766 is listed with TSCA. CAS numbers of the active components are 65530-64-5 and 65530-63-4.

The addition of Uniplex FP-766 finish to paper and paperboard does not affect texture, color, lubricity, air permeability or strength of the paper. Uniplex FP-766 can be applied by the size press, gravure or roll coating methods, or as internal sizing. Oil and Water resistance is obtained through normal drying. Curing at high temperature after drying is not necessary.

Uniplex FP-766 is Non-Flammable, and does not contain or release ozone depleting chlorofluorocarbons (CFC's), alkylphenol ethoxylates (APE's), and does not release formaldehyde.

Typical Properties

Classification.....	Fluoroalkyl phosphate salt solution
Charge.....	Anionic
Physical form.....	Light pale liquid
Non-volatile (1 hr. @ 105°C, %)	19.5 minimum
Specific Gravity (25°C)	1.1 ± 0.04
pH.....	8.5 ± 1.5
Flash point.....	None
Shipping.....	Non-Red Label
Storage.....	Store at 32°F (0°C) to 100°F (38°C)

- Uniplex FP-766 has no effect on hand, color, air permeability, or strength of the paper.
- When using paper that has been sized with rosin and/or aluminum sulfate, Uniplex FP-766 should be used in conjunction with a rosin barrier.
- Uniplex FP-766 may be safely applied to paper and fiberboard designed for use as food packaging and wrapping.
- Uniplex FP-766 complies to 21 CFR 176.170 as components in contact with aqueous and fatty foods under conditions of use b through h of paragraph c of section 176.170, Table 2.

Application

Typical Formulation

Penford Gum PG-270 8% Solids
Uniplex FP-766 1.2% in solution
Chelation as required

Application Method: Horizontal size press/roll coat

Curing Method: Convection drying at 225 - 250°F for 10 - 60 seconds

PAPER TYPE	% WET PICK-UP	KIT VALUE
50# Natural Neutral Kraft	50-60%	5-7

Handling Information

Refer to the Material Safety Data Sheet (MSDS) available for information on the safe use, handling and disposal of this product.

The material should be stored in a location where it will not be exposed to freezing temperatures.

Important Notice to Purchaser

The seller makes no warranty, expressed or implied, concerning the accuracy of any results to be obtained from the use of this information and no warranty is expressed or implied concerning the use of these products other than indicated within. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent.