



# Vitel® 1922AF

## EXTRUDABLE COPOLYESTER ANTI-FOG COATING

### KEY FEATURES

- Extrudable, anti-fogging, heat seal coating
- Excellent seal strength
- Formulated to have low blocking and good slip properties

### DESCRIPTION

Vitel® 1922AF is a semi-crystalline, saturated copolyester resin formulated to be used as an extrudable heat seal coating for PET lid stock. The coated lid stock can be used in refrigerable applications and reduces fogging from moisture-containing food products. This product has excellent clarity and provides a smooth, yet strong peel from PET tray stocks, once sealed. Suitable application methods for this product are extrusion film coating or co-extrusion.

### PACKAGING

Vitel® 1922AF is sold in bags, drums, and bulk packaging. Please contact your Bostik representative for other packaging options.

### SHELF LIFE

The shelf life of Vitel® 1922AF is approximately 90 days when kept in original, sealed containers at temperatures between 5 and 35 °C. Shelf life can be extended with storage below 4 °C.

### STORAGE & HANDLING

Vitel® 1922AF can slowly absorb moisture from the air, causing foaming and degradation upon melting. Care should be taken to minimize its exposure to air while in storage. Drying of Vitel® 1922AF to less than 0.05% moisture prior to processing can significantly reduce the likelihood of moisture affecting resin performance.



### TYPICAL PHYSICAL PROPERTIES

Description	Results
Appearance	Off-white pellets
Viscosity	38,700 cP @ 215°C 18,500 cP @ 235°C 7,462 cP @ 250°C
Melt Flow Index (190 °C, 2.16 kg)	71 g/10 min

### TYPICAL POLYMER PROPERTIES

Description	Results
Intrinsic Viscosity	0.83 dl/g
Glass Transition Temperature	-8 °C
Softening Point (Ball & Ring)	145 °C

### APPLICATION TECHNIQUES

When applying Vitel® 1922AF via extrusion, cool the coating thoroughly before wind up to reduce blocking. Consider the following general extrusion conditions: Dry resin at 68°C for 4-5 hours before use; run feed throat cooling; heat Zone 1 to 166°C; heat die to 204°C. These conditions may need to be adjusted since extrusion conditions depend heavily on the specific process and extruder screw design.

### ACTIVATION TEMPERATURE

The minimum activation temperature of Vitel® 1922AF is 107°C (225°F) when sealing to APET, but a temperature of 149°C (300°F) is recommended.

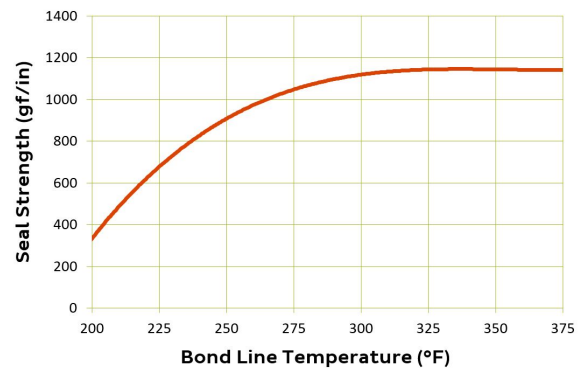
### FOOD LEGISLATION

Vitel® 1922AF complies with the positive lists of many internationally accepted guidelines for the production of articles intended to come into indirect contact with foodstuff. Please contact your Bostik representative with the specific application.

### HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

**Typical Seal Strength to APET**  
(2.7 lbs/ream, 40psi, 0.5 sec, 180° peel)



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**1-800-726-7845**

**Bostik, Inc.**  
11320 W. Watertown Plank Road  
Wauwatosa, WI 53226  
**[www.bostik-us.com](http://www.bostik-us.com)**



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