



PRODUCT DATA SHEET Product PGT 81086

ProvisionGard™ Polymer Additive Pellets

INTRODUCTION

ProvisionGard Polymer Additive Pellets is a patented formulation with an insect growth inhibitor for applications via extrusion lamination, blown and cast film products. The resulting film layer protects dry food products from stored-product insect infestation. It is recommended that this additive be thoroughly tested to confirm that it processes and performs as required.

Typical applications would include but are not limited to; cereals, pet food, animal feed, rice, bird seed, flour and bakery mixes packaged in film multilayer bags, bulk bags, stretch film, shrink film and other packaging systems.

The ingredients in a dry film of PGT 81086 meet the current requirements of the FDA for food contact applications when used in accordance with the requirements and limitations of 40 CFR 180.1033. ¹

PROCESSING INFORMATION

- Use as received. Consult ProvisionGard prior to use.
- Recommended usage rate: .5-2% addition rate to standard polymer applications, however actual rates will vary depending upon film thickness.
- Blown film usage ratio should be calculated using .75% 81086 to every 2 mil thickness layer.
- Extrusion lamination usage depends upon gsm laydown. This product is non toxic.

TYPICAL PROPERTIES

BASE RESIN PRODUCT CLASS –Exxon Mobile
LLDPE Polyethylene LL 6100.17 MFR

(190C/2.16KG)..... 22.5 grams/10 min

Melting Temp 255F

Softening Temp..... 203F

Tensile Strength..... 1620 PSI

Tensile Elongation 350%

Density 0.925 grams/sq. cm

Shelf Life one year

ADDITIONAL INFORMATION

Properties are based on injection molded samples.

The LL 6100 resin meets the requirements for food contact packaging applications. It is not approved for medical applications.

Consult the Material Safety Data Sheet for this product prior to using or handling

¹ The responsibility for compliance with FDA regulation resides with the manufacturer of the final product.

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