



## 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 application 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 40CFR180.1033.<sup>1</sup>

#### PROCESSING INFORMATION

- Use as received
- Recommended usage rate: 2% addition rate to standard polymers, however actual rates will vary depending upon film thickness. Consult ProvisionValue Gard prior to use.
- Purge after use
- Slight smoking will be noticeable at die discharge and a slight fruity odor will be present

#### TYPICAL PROPERTIES

BASE RESIN PRODUCT CLASS - Exxon Mobile LLDPE Polyethylene LL6100.17 MFR

(190C/2.16KG) .....	22.5 grams/ 10min
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 LL6100 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

<sup>1</sup> The responsibility for compliance with FDA regulation resides with the manufacturer of the final product.

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