



Poly Degrade

Polydegrade is one of the industries most cost effective degradable additives on the market. It provides excellent thermal stability and more controlled degradability of the polymer without issues such as yellowing, odors, or pre-degradation. The additives used in manufacturing Polydegrade are non-heavy metal or oxide based; this results in more eco-friendly by-products released into the environment. The use of Polydegrade in polyethylene film applications such as T-shirt bags or grocery bags, both manufactured with TiO₂ and CaCO₃, can significantly affect degradation results. Polydegrade has addressed these issues resulting in very controlled rates of degradation, process ability and thermal stability, when exposed to outside environments of short-wave UV light (300nm – 400nm), heat, and oxygen.

Applications: Blown/Cast Film

Melt Flow: 1.2 LDPE (grams/10 min.), at 190°C

Blend Density: 0.961 g/cm³ (60 lb./ft³)

Types of Resins: HDPE and LDPE

Amount Required: 1% (depending on degradation requirements)

Features and Benefits:

- More control over degradation
- Thermal and UV stable
- Better storage and degradation control
- RoHS compliant
- Low concentration requirements

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