

UNIPLEX 810
PEG - DI LAURATE
CAS NO. 9005-02-1

UNIPLEX 810 is a high molecular weight liquid plasticizer, and nucleating agent, having wide compatibility with a variety of polymers. Its low volatility and excellent heat resistance make it especially useful in engineering plastics, such as polyester and polyamide resins. Used at levels of 4 - 10 % on the weight of the PET resin, Uniplex 810 greatly reduces molding (processing) times.

UNIPLEX 810 offers the advantages of:

1. Lowering processing cost
2. Enhancing impact resistance
3. Low vaporization
4. Improving mold releases
5. Easily added to the PET resin in single or double screw extruders.

SPECIFICATIONS:

Appearance	Grease below melting point; clear oily liquid above melting point
Acid Value (mg KOH/g)	5.0 maximum
Hydroxyl Value (mg KOH/g)	8.0 maximum
Color Gardner	4 maximum
Moisture, %	0.10 maximum

PROPERTIES

Molecular Weight	964 (Avg.)
Odor	Characteristic
Specific Gravity	1.02 - 1.06
Flash Point (COC)	450°F
Melting Point, °C	24 (Typical)

HANDLING INFORMATION:

Refer to Material Safety Data Sheet

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any patents.

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