

UNIPLEX 809
PEG DI-2-ETHYLHEXOATE
CAS NO. 9004-93-7

UNIPLEX 809 is a high molecular weight liquid plasticizer, 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 809 greatly reduces molding (processing) times.

UNIPLEX 809 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 Clear to slightly hazy, oily liquid
Acid Value (mg KOH/g) 1.0 maximum
Hydroxyl Value (mg KOH/g) 2.5 maximum
Sum of Acid Value and Hydroxyl Value 3.0 maximum
Color, APHA 200 maximum
Moisture, % 0.10 maximum

PROPERTIES:

Molecular Weight 652
Odor Characteristic
Specific Gravity 1.02
Refractive Index @ 25°C 1.4524 – 1.4534
Flash Point (COC) 470°F
Viscosity 25°C, cps 50
Melting Point, °C - 48

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.

Uniplex 809		Date Issued: 6/22/09
www.unitexchemical.com	Page 1 of 1	Supersedes: 10/9/95