

DI-ETHYLENE GLYCOLE

| Characteristic | Test Method | Unit | Value |
|--------------------------|----------------|---------|---------------|
| PURITY | ASTM E - 202 | WT.% | 99.8 MIN |
| MONOETHYLENE GLYCOL | ASTM E - 202 | WT.% | 0.05 MAX. |
| TRIETHYLENE GLYCOL | ASTM E - 202 | WT.% | 0.05 MAX. |
| WATER CONTENT | ASTM E - 202 | WT.% | 0.05 MAX |
| ACIDITY AS ACETIC ACID | ASTM D - 1613 | PPM | 50 MAX |
| ASH CONTENT | ASTM D - 254/A | PPM | 50 MAX |
| SP. GR. (20/20 °C) | ASTM D - 891 | - | 1.1175-1.1195 |
| COLOR | ASTM D - 1209 | Pt - Co | 10 MAX |
| DISTILLATION @ 760 MM-Hg | | | |
| IBP | ASTM D - 1078 | °C | 242 MIN |
| DP | ASTM D - 1078 | °C | 250 MAX |

DIETHYLENEGLYCOL obtained from the reaction of ethylene oxide and MEG. It is a clear, transparent and odorless liquid that can be mixed with water in any proportion.

○ **Application areas:**

• **Resins :**

DIETHYLENEGLYCOL is used as synthesizing agent for alkyd resins as well as saturated and unsaturated polyester.

DIETHYLENEGLYCOL is used in the synthesis of polyurethane resins, as a coalescence agent, anti-freezing agent in polymer and/or acrylic homopolymer emulsions, chain extender and agent in the dispersion and wetting of unsaturated polyester resins.