



Adding value to  
your formulations

TECHNICAL DATA SHEET

ELECTRIFILL COMPOUNDS

| TYPICAL PROPERTIES   | ASTM     | 06 CS          | 015 CS                         | 10 CS                         | 100                                | 2288  |
|--|----------|----------------|--------------------------------|-------------------------------|------------------------------------|---|
| Specific Gravity 15°/15°C  | D-1298   | 0.84           | 0.86                           | 0.88                          | 0.86                               | 0.87  |
| Pour Point, °C   | D-97     | - 30           | - 5                            | - 2                           | - 50                               | - 40  |
| Flash Point (COC), °C Min  | D-92     | 120            | 150                            | 190                           | 160                                | 130   |
| Kinematic Viscosity (cSt),<br>Min / Temp, °C   | D-445    | 95-130 / 40    | 650-778 / 37.8<br>32-37 / 98.9 | 7600 / 37.8<br>204-247 / 98.9 | 18.1-22.9 / 37.8<br>4.5 max / 98.9 | 2.0-2.4 / 100<br>5.3 max / 60<br>25 max / 20<br>45-60 / 0 |
| Color Max  | D-1500   | 1.0            | 1.0                            | 1.0                           | 1.0                                | 1.5   |
| Water content, as shipped (ppm) Max  | D-1533   | 45             | 45                             | 45                            | 30                                 | 45  |
| Organic Chlorides (ppm) Max  | D-2522   | 40             | 40                             | 40                            | 0                                  |   |
| Inorganic Chlorides (ppm)  | D-878    | < 1            | 0                              | 0                             | 0                                  | 0   |
| Total Sulphur, % / wt  | D-2622   | < 1            | 0                              | 0                             | 0                                  | 0.25  |
| Neutralization Number, mgKOH/g Max<br>(as received)<br>(after 96 h at 115 °C )       | D-974    | 0.02<br>0.01   | 0.02<br>0.01                   | 0.02<br>0.01                  | .02<br>.10                         | 0.02  |
| Dielectric Strength at 80 °C (kV) Min  | D-877    | 35             | 35                             | 35                            | 35                                 | 30  |
| Dielectric Dissipation Factor at 100°C,60Hz<br>(as received) (after 96 h at 115 °C ) | D-924    | 0.001<br>0.002 | 0.0005<br>0.0010               | 0.0005<br>0.0010              | .001<br>.002                       | .001<br>.002  |
| Gassing Characteristics under Electrical<br>Stress,80°C (ul/min)                     | D-2300   | - 25 min       | - 20 min                       | - 5 min                       | - 30 min                           | Absorbing   |
| Polychlorinated Biphenyls (PCBs), ppm  | EPA 3580 |                |                                |                               | 1 max                              | 1 max   |
| Benzene content, ppm   | EPA 5030 |                |                                |                               | 1 max                              |   |
| Peroxide Number, ppm   | D-1563   |                |                                |                               | 5 max                              |   |
| Aniline Point, °C  | D-611    |                |                                |                               |                                    | 75 - 85   |

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