Starting Formulation

SF 2017

Gray Appliance Primer
EPON™ Resin 1007F / Beckamine 21-511

Features
- Good color and color retention
- Outstanding adhesion
- Excellent detergent resistance; will consistently pass 300 hours immersion in 1% detergent solution1 at 165 °F

Formula | Material | Supplier | Pounds | Gallons |
---|---|---|---|---|
**Pigments**<br>Ti-Pure R-902 | Du Pont Co. | 76.3 | 2.29 |
Superjet Carbon Black LB-1011 | Harcros Pigments, Inc. | 0.9 | 0.06 |
**EPON Resin 1007F solution**<br>EPON Resin 1007F | Hexion | 226.7 | 22.88 |
Ethyl-3-ethoxy propionate | | 92.75 | 11.58 |
Xylene | | 92.75 | 12.64 |
**Urea Resin and Solvents**<br>Beckamine 21-511 | Reichhold Chemicals, Inc. | 161.9 | 18.96 |
Ethyl 3-ethoxy propionate | Eastman Chemical | 117.8 | 14.89 |
Xylene | Shell Chemical Co. | 121.1 | 16.70 |
Total Formulation | | 890.2 | 100.00 |

Mixing Instructions

Dissolve the EPON 1007F in the first portions of ethyl-3-ethoxy propionate and xylene. Disperse the pigments in the EPON 1007F solution on a three-roll mill or other suitable dispersing equipment. Let down the grind with the Beckamine 21-511 and the remaining solvents. **NOTE: POOR GLOSS MAY RESULT IF A PORTION OF THE EPON RESIN SOLUTION IS USED IN LETTING DOWN THE DISPERSION.**

Typical Handling
For spray application, reduce the formulation to a No. 4 Ford Cup viscosity of 20 seconds with ethyl 3-ethoxy propionate/toluene, 1/1 by weight.

This coating system should be baked for 20 minutes at 385 °F.

Typical Formulation Properties

Table 1 / Formulation Properties

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