

# PRINZOL LUBRICANTS, INC



Product Data Sheet Rev 03/08/2017

## Prinzol RSI-AR 100

PRINZOL Aromatic Rubber Process Oils are highly refined premium quality paraffinic ASTM Type 101 and 102 rubber process oils. Prinzol Aromatic series are recommended for use with Neoprene, Cis-Polybutadiene, and Styrene Butadiene.

Prinzol Aromatic oils are formulated to perform a variety of industrial such that it contains more than 80% Wt. aromatics and maintains a low aniline point while providing a high flash point. These physical properties are beneficial for several applications since it provides increased oil loading without oil bleed out, excellent oil take up time, shorter mixing cycles, excellent carbon black dispersion, and minimizes oil losses in the curing process.

|   |                           |
|---|---------------------------|
| <b>PRODUCT:</b>                                 | <b>PRINZOL RSI-AR 100</b> |
| <b>Product Code</b>                             | <b>AR-100</b>             |
| Viscosity cSt@40°C                              |                           |
| Viscosity cSt@100°C                             | 19.3                      |
| Viscosity, SUS @ 210°F                          | 98.1                      |
| API Gravity                                     | 11.9                      |
| Specific Gravity @ 15.6°C, KG/DM3 (ASTM-D-4052) | 0.9869                    |
| Pour Point, °C                                  | 26                        |
| Flash Point, °C                                 | 260                       |
| Color   | Dark Colored              |
| Sulfur Wt. % (ASTM-D-4294)                      | 4.5                       |
| Aniline Point, °C (ASTM-D-611)                  | 50.4                      |
| Total Acid Number (ASTM-D-664)                  | 0.23                      |
| Viscosity Gravity Constant (ASTM-D-2501)        | 0.92                      |
| Refractive Index at 20°C (ASTM-D-1747)          | 1.5565                    |
| Refractivity Intercept (ASTM-D-2150)            | 1.066                     |
| Evaporation Loss (ASTM-D-972)                   |                           |
| Wt% 22hrs. @ 225°F                              | 0.05                      |
| Extract in Solvent, ppm                         | <100                      |
| Water Content – Karl Fisher, ppm (ASTM-D-4928)  | <300                      |

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| Carbon Atom Analysis Wt% (ASTM-D-2140) |      |
|--|------|
| Aromatics, Ca                          | 36   |
| Naphthenes, Cn                         | 25   |
| Paraffinics, Cp                        | 39   |
| Clay Gel Analysis (ASTM-D-2007)        |      |
| Asphaltenes Wt. %                      | <0.1 |
| Aromatics Wt. %                        | 7.8  |
| Polar Cpds Wt. %                       | 74.1 |
| Saturates , Wt. %                      | 18.0 |