

# TIR890 Quin Red B/S Ink for Automotive Applications

## TECHNICAL DATA SHEET

| Technical Specifications       | TIR890            |
|--------------------------------|-------------------|
| Pigment Code                   | Pigment Violet 19 |
| % Pigment                      | 15%               |
| Strength                       | 100 +/- 2         |
| DE                             | < 0.5             |
| Weight Per Gallon (lbs)        | 8.0 +/- 0.3       |
| % Solids                       | 26 +/- 2%         |
| Viscosity, #4 Spindle @ 20 RPM | 2,300 +/- 300     |
| Grind                          | 7+                |

TIR890 is used externally in automotive applications and outdoor applications because of its excellent heat and light stability. It has been supplied to many of the major USA automotive PVC suppliers for more than 20 years.

|   |   | Applications Performance |              |              |               |               |                        |                        |         |                   |               |               |                          |                          |                        |                        |
|---|---|--------------------------|--------------|--------------|---------------|---------------|------------------------|------------------------|---------|-------------------|---------------|---------------|--------------------------|--------------------------|------------------------|------------------------|
|   |   | HDPE                     |              |              |               |               |                        |                        | PVC-p   |                   |               |               |                          |                          |                        |                        |
| Full Shade  | White Reduction   | Migration FS 0.1%        | Heat FS 0.1% | Heat WR 1:10 | Light FS 0.1% | Light WR 1:10 | Weather 3000 h FS 0.1% | Weather 3000 h WR 1:10 | Warping | Migration FS 0.1% | Light FS 0.1% | Light WR 1:10 | Hot light 600 kJ FS 0.1% | Hot light 600 kJ WR 1:10 | Weather 5000 h FS 0.1% | Weather 5000 h WR 1:10 |
|  |  | 4.8                      | 260          | 260          | 8             | 8             | 4-5                    | 3                      | L       | 5                 | 8             | 7-8           | 4-5                      | 4-5                      | 4                      | -                      |