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## Fluorescent Red HFG

Color Index: Solvent red 149

Molecular formula:  $C_{23}H_{22}N_2O_2$

CAS No.: 71902-18-6

### Product specification

|                                     |  |
|-------------------------------------|--|
| Appearance                          | Red powder   |
| Tinting Strength                    | 100±3%   |
| Shade Color                         | Similar to the standard, fluorescent red with blue shade |
| Ash                                 | ≤ 0.5%   |
| Moisture                            | ≤ 0.5%   |
| Color Differential Value $\Delta E$ | ≤ 0.7  |

### Commentary

A fluorescent red with blueshade, good lightfastness and excellent heat resistance.

| Test Items  | PS  | ABS | SAN | PMMA | PC  | R-PVC | PA6 | PET |
|---|-----|-----|-----|------|-----|-------|-----|-----|
| Heat resistance temperature, °C<br>(0.05% dyes, transparent)            | 300 | 280 | 300 | 300  | 300 | 300   | -   | -   |
| Heat resistance temperature, °C<br>(0.05% dyes + 1.0% Titanium dioxide) | 300 | 260 | 280 | 280  | 280 | 280   | -   | -   |
| Migration resistance  | -   | -   | -   | -    | -   | -     | -   | -   |
| Light fastness (0.05% dyes, transparent)                                | 7   | -   | -   | -    | -   | -     | -   | -   |
| Weather resistance  | -   | -   | -   | -    | -   | -     | -   | -   |
| Acid resistance (in 5% hydrochloric acid solution)                      | -   | -   | -   | -    | -   | -     | -   | -   |
| Alkali resistance (in 5% caustic soda solution)                         | -   | -   | -   | -    | -   | -     | -   | -   |

### Application Profile

|     |   |       |   |      |   |
|-----|---|-------|---|------|---|
| PS  | ● | HIPS  | ● | ABS  | ● |
| PC  | ● | PVC-R | ● | PMMA | ● |
| SAN | ● | AS    | ● | PA   | - |
| PET | ○ |       |   |      |   |

● = recommended ○ = potential use - = not recommended

### Disclaimer

All above data are obtained by our best knowledge and regarded as references for you. We strongly recommended a trial test before your mass application.