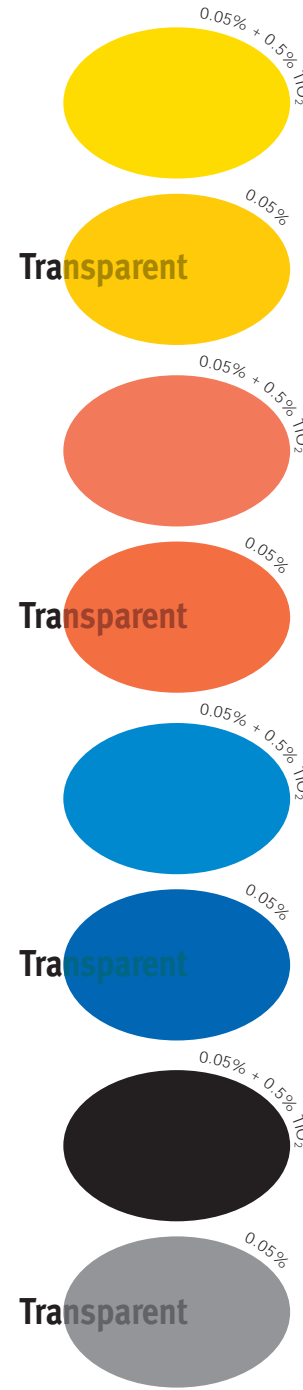


Unisol Solvent Dyes



Unisol Yellow 2GN

C.I. Solvent Yellow 56
 C.I. Number: 11021
 Class: Mono-Azo
 CAS Registry Number: 2481-94-9
 Tosca Listing: Yes

For use in
 candles, waxes
 and fuels.

Physical Data

Molecular Weight: 253
 Melting Point: 95°C

Unisol Red G

C.I. Solvent Red 1
 C.I. Number: 12150
 Class: Mono-Azo
 CAS Registry Number: 1229-55-6
 Tosca Listing: Yes

For use in
 candles, waxes
 and fuels.

Physical Data

Molecular Weight: 237
 Melting Point: 175°C

Unisol Blue A5

C.I. Solvent Blue 36
 C.I. Number: 61551
 Class: Anthraquinone
 CAS Registry Number: 14233-37-5
 Tosca Listing: Yes

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | - | - | 240°C |
| GP-PS | 7 | 4 | 260°C |
| Nylon | NR | NR | NR |
| PMMA | 7 | 4-5 | 250°C |
| Polycarb | NR | NR | NR |
| Polyester | NR | NR | NR |
| Rigid PVC | - | - | - |

Physical Data

Molecular Weight: 322
 Melting Point: 189°C

Unisol Black B

C.I. Solvent Black 7
 C.I. Number: 50415:1
 Class: Azine
 CAS Registry Number: 8005-02-5
 Tosca Listing: Yes

For use in
 candles, waxes
 and fuels.

Physical Data

Molecular Weight: XXX
 Melting Point: 180°C

Unisol Fluorescent Red G

C.I. Solvent Red 197
 C.I. Number: -
 Class: Benzo-Pyran
 CAS Registry Number: 52372-39-1
 Tosca Listing: Yes

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | 4 | 4 | 270°C |
| GP-PS | 8 | 4-5 | 300°C |
| Nylon | - | - | 280°C |
| PMMA | 4 | 4 | 250°C |
| Polycarb | 8 | 4 | 300°C |
| Polyester | 6 | 4 | 280°C |
| Rigid PVC | 7 | - | 230°C |

Physical Data

Molecular Weight: 381
 Melting Point: 268°C

Samples
 available on
 request

Product Details:-

The Unisol range of solvent dyes offers an extensive range of colours which provide excellent results for the colouration of plastics and other applications.

Unisol dyes exhibit good clarity and brilliance and are particularly beneficial for colouration in transparent plastics, and where good light transmission is required. Pastel shades can be produced in combination with opacifiers such as titanium dioxide. For a more dramatic effect, the range includes a selection of fluorescent dyes.

Unisol dyes can be used in a wide range of plastics although the suitability of any particular dye should be verified beforehand. The range is particularly suitable for:

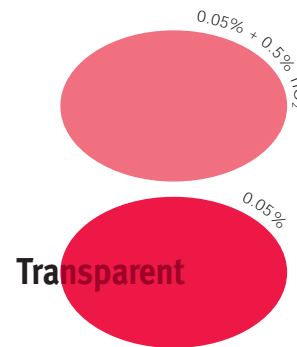
- Polystyrene
- Acrylics
- Acrylonitrile Butadiene Styrene (ABS)
- Styrene Acrylonitrile
- Polycarbonate
- Polyvinyl Chloride (rigid)
- Phenolics
- Polyesters

These dyes can also be used for a wide range of applications such as fuel, waxes, polishes etc.

Performance will vary depending on the type of dye, grade of plastic, concentration and the conditions of use. Therefore, checks should be made on migration and fastness properties prior to use.



www.unicolour.co.uk

**Unisol Red R**

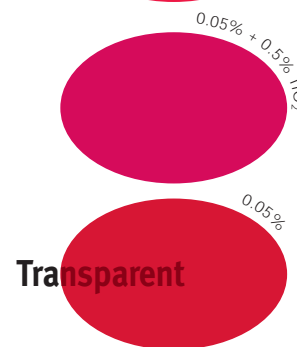
C.I. Solvent Red 111
 C.I. Number: 60505
 Class: Anthraquinone
 CAS Registry Number: 82-38-2
 Tosca Listing: Yes

Physical Data

Molecular Weight: 237
 Melting Point: 170°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|--------|
| | Natural | Opaque | |
| ABS | 5 | 4 | 260°C |
| GP-PS | 7 | 5 | 300°C |
| Nylon | - | - | 280°C |
| PMMA | 7 | 4 | 280°C |
| Polycarb | 6-7 | 4 | 300°C |
| Polyester | 6 | 4 | 280°C |
| Rigid PVC | 7 | - | >230°C |

**Unisol Red zB**

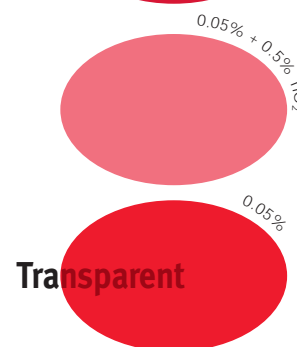
C.I. Solvent Red 24
 C.I. Number: 26105
 Class: Bis-Azo
 CAS Registry Number: 85-83-6
 Tosca Listing: Yes

Physical Data

Molecular Weight: 380
 Melting Point: 185°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | - | - | 240°C |
| GP-PS | 7 | 3-4 | 220°C |
| Nylon | NR | NR | NR |
| PMMA | - | - | 240°C |
| Polycarb | NR | NR | NR |
| Polyester | NR | NR | NR |
| Rigid PVC | - | - | - |

**Unisol Red GP**

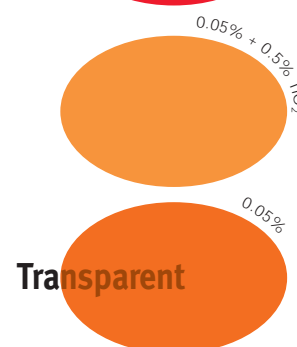
C.I. Solvent Red 135
 C.I. Number: -
 Class: Perilene
 CAS Registry Number: 20749-68-2
 Tosca Listing: Yes

Physical Data

Molecular Weight: 408
 Melting Point: 307°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | 5 | 4 | 260°C |
| GP-PS | 7-8 | 7 | 300°C |
| Nylon | - | - | 280°C |
| PMMA | 8 | 7-8 | 300°C |
| Polycarb | 8 | 7-8 | 300°C |
| Polyester | - | - | 300°C |
| Rigid PVC | - | - | - |

**Unisol Orange R**

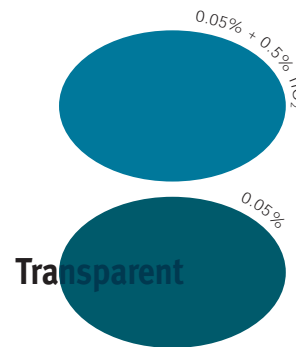
C.I. Solvent Orange 105
 C.I. Number: 11227
 Class: Mono-Azo
 CAS Registry Number: 31482-56-1
 Tosca Listing: Yes

Physical Data

Molecular Weight: 309
 Melting Point: 167°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | - | - | 270°C |
| GP-PS | 7 | 5 | 230°C |
| Nylon | - | - | 260°C |
| PMMA | NR | NR | NR |
| Polycarb | NR | NR | NR |
| Polyester | NR | NR | NR |
| Rigid PVC | 7 | 5 | 230°C |

**Unisol Green G**

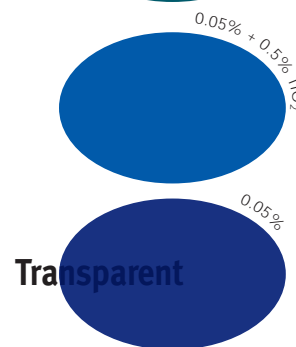
C.I. Solvent Green 3
 C.I. Number: 61565
 Class: Anthraquinone
 CAS Registry Number: 128-80-3
 Tosca Listing: Yes

Physical Data

Molecular Weight: 418.5
 Melting Point: 213°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | 5 | 5 | 270°C |
| GP-PS | 7 | 5 | 290°C |
| Nylon | - | - | 260°C |
| PMMA | 7 | 5 | 280°C |
| Polycarb | 7 | 5 | 320°C |
| Polyester | 7 | 5 | 280°C |
| Rigid PVC | - | - | - |

**Unisol Violet A**

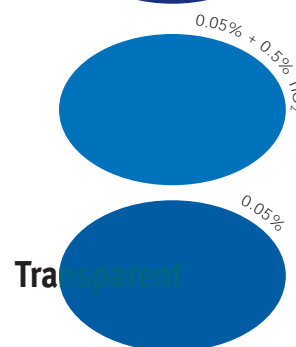
C.I. Solvent Violet 13
 C.I. Number: 60725
 Class: Anthraquinone
 CAS Registry Number: 81-48-1
 Tosca Listing: Yes

Physical Data

Molecular Weight: 329.3
 Melting Point: 189°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|--------|
| | Natural | Opaque | |
| ABS | 3-4 | 3-4 | 270°C |
| GP-PS | 7-8 | 7 | 300°C |
| Nylon | 6 | 3 | 260°C |
| PMMA | 6-7 | 6 | 300°C |
| Polycarb | 7 | 5 | 320°C |
| Polyester | 7 | 6 | 280°C |
| Rigid PVC | 8 | 6-7 | >230°C |

**Unisol Blue MR**

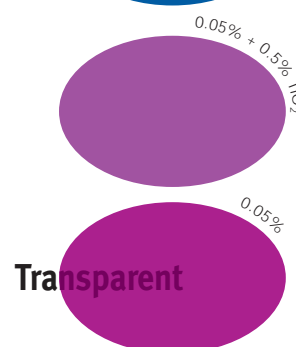
C.I. Solvent Blue 78
 C.I. Number: 61500
 Class: Anthraquinone
 CAS Registry Number: 2475-44-7
 Tosca Listing: Yes

Physical Data

Molecular Weight: 266.3
 Melting Point: 290°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | 4 | - | 275°C |
| GP-PS | 7 | 6 | 290°C |
| Nylon | - | - | - |
| PMMA | 6 | 6 | 250°C |
| Polycarb | 5 | 5 | 300°C |
| Polyester | NR | NR | NR |
| Rigid PVC | - | - | - |

**Unisol Violet zB**

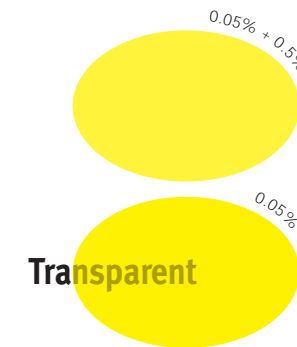
C.I. Solvent Violet 26
 C.I. Number: 62025
 Class: Anthraquinone
 CAS Registry Number: 6408-72-6
 Tosca Listing: Yes

Physical Data

Molecular Weight: 422
 Melting Point: 170°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | - | - | 270°C |
| GP-PS | 7-8 | 6 | 270°C |
| Nylon | - | - | 280°C |
| PMMA | 7 | 5-6 | 250°C |
| Polycarb | NR | NR | NR |
| Polyester | NR | NR | NR |
| Rigid PVC | - | - | - |

**Unisol Yellow zG**

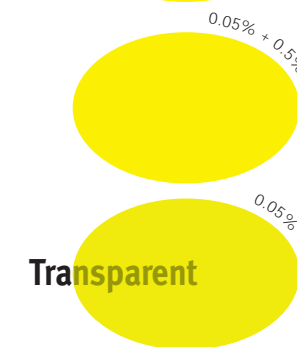
C.I. Solvent Yellow 114
 C.I. Number: 47020
 Class: Quinoline
 CAS Registry Number: 7576-65-0
 Tosca Listing: Yes

Physical Data

Molecular Weight: 196
 Melting Point: 264°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | 7 | 7-8 | 270°C |
| GP-PS | 7 | 7 | 270°C |
| Nylon | - | - | 270°C |
| PMMA | 7 | 7 | 270°C |
| Polycarb | 7 | 6-7 | 270°C |
| Polyester | 7 | 7 | 270°C |
| Rigid PVC | - | - | - |

**Unisol Yellow G**

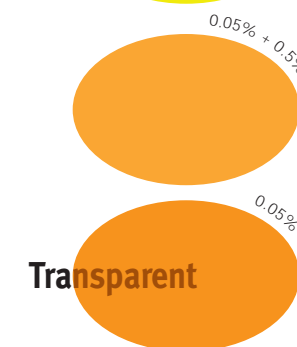
C.I. Solvent Yellow 93
 C.I. Number: 48160
 Class: Mono Methine
 CAS Registry Number: 4702-90-3
 Tosca Listing: Yes

Physical Data

Molecular Weight: 358
 Melting Point: 187°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|--------|
| | Natural | Opaque | |
| ABS | 6 | 6 | 230°C |
| GP-PS | 7 | 7 | 300°C |
| Nylon | NR | NR | NR |
| PMMA | 7 | 6-7 | 300°C |
| Polycarb | 7 | 6-7 | 300°C |
| Polyester | - | - | 280°C |
| Rigid PVC | 7 | 6 | >230°C |

**Unisol Yellow R**

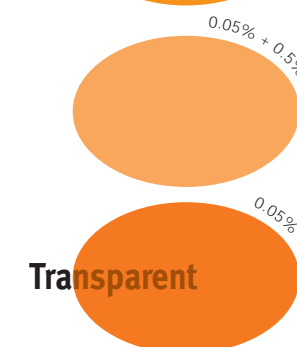
C.I. Solvent Yellow 14
 C.I. Number: 12055
 Class: Mono-Azo
 CAS Registry Number: 842-07-9
 Tosca Listing: Yes

Physical Data

Molecular Weight: 248
 Melting Point: 131°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|-------|
| | Natural | Opaque | |
| ABS | 6 | 3 | 240°C |
| GP-PS | 6 | 3 | 260°C |
| Nylon | NR | NR | 260°C |
| PMMA | 5 | - | 240°C |
| Polycarb | NR | NR | 320°C |
| Polyester | NR | NR | 280°C |
| Rigid PVC | - | - | - |

**Unisol Orange zG**

C.I. Solvent Orange 60
 C.I. Number: -
 Class: Perilene
 CAS Registry Number: 6925-69-5
 Tosca Listing: Yes

Physical Data

Molecular Weight: 270
 Melting Point: 232°C

General Properties: Fastness

| | Light (1-8) | | Heat |
|-----------|-------------|--------|--------|
| | Natural | Opaque | |
| ABS | - | - | 280°C |
| GP-PS | 8 | 8 | 300°C |
| Nylon | 8 | - | 300°C |
| PMMA | 8 | 7-8 | 300°C |
| Polycarb | 8 | 7-8 | 320°C |
| Polyester | - | - | 320°C |
| Rigid PVC | 8 | - | >230°C |