



海宁市丽彩颜料化工有限公司
 Haining Licai Pigment Chemical Co., Ltd.
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Transparent Yellow 3G

Color Index: Solvent yellow 93
 CAS No.: 4702-90-3

Molecular formula: $C_{21}H_{18}N_4O_2$

Product specification

| | |
|-------------------------------------|---|
| Appearance | Yellow powder |
| Tinting Strength | 100±3% |
| Shade Color | Similar to the standard, brilliant yellow |
| Ash content | ≤ 0.5% |
| Moisture | ≤ 0.5% |
| Color Differential Value ΔE | ≤ 0.7 |

Commentary

A brilliant yellow with excellent lightfastness and good heat resistance.

| Test Items | PS | ABS | SAN | PMMA | PC | R-PVC | PA6 | PET |
|---|-----|-----|-----|------|-----|-------|-----|-----|
| Heat resistance temperature, °C (0.05% dyes, transparent) | 260 | - | 260 | 260 | 260 | - | - | 260 |
| Heat resistance temperature, °C (0.05% dyes + 1.0% Titanium dioxide) | 260 | - | 260 | 260 | 260 | - | - | 260 |
| Migration resistance | - | - | - | - | - | - | - | - |
| Light fastness (0.05% dyes, transparent) | 7-8 | - | - | - | 7-8 | 7-8 | - | - |
| Weather resistance | - | - | - | - | - | - | - | - |
| Acid resistance (in 5% hydrochloric acid solution) | - | - | - | - | - | 5 | - | - |
| Alkali resistance (in 5% caustic soda solution) | - | - | - | - | - | 5 | - | - |

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.