



海宁市丽彩颜料化工有限公司  
**Haining Licai Pigment Chemical Co., Ltd.**  
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## Transparent Red GS

Color Index: Solvent red 111

Molecular formula:  $C_{15}H_{11}NO_2$

CAS No.: 82-38-2

### Product specification

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

### Commentary

A brilliant yellow shade red with excellent lightfastness and good heat resistance. Limited application in plastics due to strong sublimation nature.

Test Items	PS	ABS	SAN	PMMA	PC	R-PVC	PA6	PET
Heat resistance temperature, °C (0.05% dyes, transparent)	280	260	280	280	280	-	-	-
Heat resistance temperature, °C (0.05% dyes + 1.0% Titanium dioxide)	280	260	280	280	280	-	-	-
Migration resistance	-	-	-	-	-	-	-	-
Light fastness (0.05% dyes, transparent)	6-7	-	-	-	-	-	-	-
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	○	Colored smoke	●		

● = 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.