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Haining Licai Pigment Chemical Co., Ltd.
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426 Haichangnan Road, Haining, China.

Technical data sheet

Product name: Solvent orange 107

Molecular formula: $C_{25}H_{25}N_3O_3$

CAS No.: 185766-20-5

Product specification

Appearance	Orange to red powder
Tinting Strength	100 2%
Shade Color	Similar to the standard
Ash	$\leq 0.5\%$
Moisture	$\leq 1.0\%$
Insolubles in xylene	$\leq 0.5\%$
Color Differential Value ΔE	≤ 0.7

Commentary

A brilliant orange 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)	300	-	-	300	300	-	-	300
Heat resistance temperature, °C (0.05% dyes + 1.0% Titanium dioxide)	300	280	280	280	-	-	-	-
Migration resistance	-	-	-	-	-	-	-	-
Light fastness (0.05% dyes, transparent)	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 recommend

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.

TDS code: TDS-SO107-1