

Mopolor® Orange ES



C. I .Solvent Orange 116

CAS No : 669005-94-1

Chemical Structure : Pyridine

The same product: Oracet Orange ES (BASF)

Storage Stability : 5 Years

KEY PROPERTIES:

An innovative colorant developed especially to meet the high demands set by polyamide applications, this polymer-soluble orange offers excellent processing properties. Its high color strength ,pure shade and overall good fatness properties make it suitable for use in other engineering resins too.

Physical & Chemical Properties

1	Appearance	Orange Powder
2	Chromatism	$\Delta E \leq 1.0$
3	Color strength	$100 \pm 1\%$ vs standard
4	Volatile content	$\leq 0.5\%$
5	Ash content	$\leq 0.2\%$
6	Screen test(60 mesh)	$\leq 5.0\%$
7	Melting point	230°C
8	Heavy Metal Content	Tables
9	Heat resisting property	300°C
10	Light Fastness	7 – 8 Level
11	Migration	4 - 5 Level
12	Bulk Density	0.30 Kg/L
13	Heavy Metal Content	Table



Cd	Cr VI	Hg	Pb	PBBs	PBDEs
10	10	10	10	10	10

Technical Data Sheet

Edition : MQ20180715

Suggestion For Use

Electrical and Household : Extends the available color space for demanding nylon colorations targeting power tool housing and other molding or film applications.

Recommended Application

PET	○	PBT	○
PA-6	●	PA-66	●
PS	●	HIPS	○
ABS	○	SAN	○
PMMA	●	PC	○
POM	○	PVC-r	○
● Recommended	○ Potential Use	⊗ Not Recommended	

Resistance Properties In Plastic

Polymer	Colorant%	TiO2	Heat Resistance oC(to GS4)	Migration	Lightfastness(Blue Wool Scales)
PET	0.02		300	5	7-8
PC	0.05		360	4.8	7-8
PMMA	0.05		300	5	7-8
PS	0.05		300	4	7-8
PS	0.05	1.0	300	4	6
ABS	0.1	1.0	280	4.6	6
PA 6	0.1	0.5	300	5	7
PA 66	0.1	0.5	300	5	7