

Cinipol™ Yellow DY5P Technical Data Sheet

Chemical Class Anthraquinone
CI Generic Name Pigment Yellow 147
Color Index No 60645

Description **Cinipol™ Yellow DY5P** is a mid-shade yellow with excellent lightfastness, outstanding migration resistance and FDA compliant. A preferred product of choice for the coloration of PET bottles and PES fiber applications – very much an industry standard.

Application				
	PET	●	PMMA	●
	PBT	○	POM	○
	PS	●	SAN	●
	HIPS	○	PA6	○
	ABS	●	PA66	—
	PC	●	PES Fiber	●
● Recommended ○ Potential Use — Not Recommended				

Physical Properties
 Bulk Density 0.65 kg/l
 Bulk Volume 1.5 l/kg
 Melting Point >300 °C
 Sublimation Temperature —
 Storage Stability 60 months

Solubility (room temperature)				
	Water	Insoluble	Toluene	<5 g/l
	Acetone	<5 g/l	Heptane	Insoluble
	Ethanol	<5 g/l	Polyethylene glycol (PEG)	<5 g/l
	Ethylacetate	<5 g/l	MMA	<5 g/l

Heat Resistance	PET	PMMA	PC	ABS	PS	PA6/PA66
1/3 ISD	310°C	280°C	320°C	260°C	280°C	290°C/—

Fastness Properties	Light Fastness Reduction 1/3 ISD	Weather Fastness Transparent 0.05%dye	Migration Transparent 0.05%dye
PET	7	—	—
PMMA	7	3-4	5
PC	7	4	5
PS	6-7	3	5