

01/01/2014

FLUORESCENT DYE

Characteristics

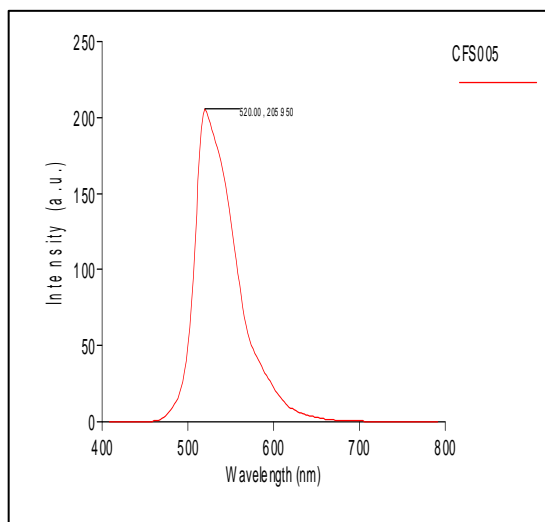
Productcode	CFS-0-05
Chemical Type	Perylene
Color Index N°	59075
Color Index name	Solvent Green 5
Hue	Bright greenish yellow
Appearance	Yellow powder

Registrations

CAS:	2744-50-5
TSCA listing	Yes
EINECS listing:	220-379-8
FDA approved:	No
Further listing in	Australia, Canada, China, Korea and Philippines.

Fluorescence

λ -max (0.05 % in polystyrene) = 520 nm (excitation at 350 nm)



Technical information

Melting point:	204 - 207 °C
Mol. formula:	C ₃₀ H ₂₈ O ₄
Mol. weight:	452,5
Hiding power:	Transparent

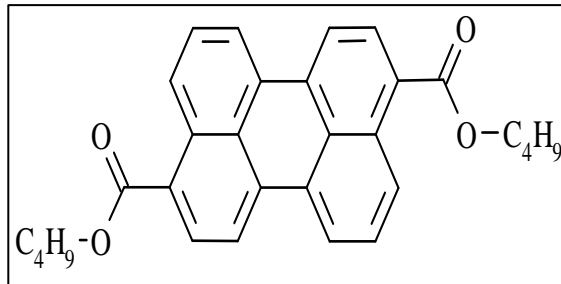
Recommended applications

		Light	Heat (5')
Polyethylene	NR	-	-
Polypropylene	NR	-	-
Polystyrene	R	6	
PS-Opaque (*)	R	4	260°C
ABS	R		
Polycarbonate	R		280°C
Polyamide	R	4	250°C
PMMA (Acrylic)	R		
Polyester	R		
Polyurethane	R		
Rigid PVC	R		

(*) PS-Opaque = PS + 0,1% dye + 0,2% TiO₂

R= Recommended,
NR= Not recommended,
T= To be tested first.

Chemical structure



Solubility (g/100 ml)

	T°	g/100 ml
Acetone	(20°C)	0,04
Acetone	(50°C)	0,3
Ethylacetate	(20°C)	0,09
Ethylacetate	(50°C)	0,2
MMA	(20°C)	0,2
MMA	(50°C)	0,4
DIDP	(20°C)	0
DIDP	(100°C)	0,05
DMF	(20°C)	0,06
DMF	(100°C)	0,5
White Spirit	(0°C)	0
White Spirit	(20°C)	0,05
White Spirit	(50°C)	0,07

Package of CFS-0-05

Package:	Bags containing:	
1 box	1 kg	= Minimal order
1 box	5 kg	
1 box	10 kg	
1 box	20 kg	

® = registered trademark

Disclaimer: This technical information is just an advice. No warranty of fitness for a particular purpose is made.