



# AMAPLAST® Yellow G6



### Regulatory Information:

CAS Registry Number: Proprietary  
 TSCA (US): Compliant via a low volume exemption  
 REACH (EC): Low volume exemption (< 1MT/year)  
 IECSC (China): Registered on the confidential inventory  
 Purity Requirements: Heavy metals content and free primary amine content do not exceed the limits of CONEG, Toy Regulation EN 71/3, European Resolution AP(89)I, and German BfR Recommendation IX (purity of colorants for plastics).  
 Halogen Content: Halogen free compound

**FDA Status:** FDA compliant for use in PET at loadings less than or equal to 0.20% (Conditions C-G)

**Suitable Resins:**  
 ABS, Acrylic, PBT, PC, PET, Polyetherimide, and Polystyrene  
**Heat Stable:**  
 to 700°F/370°C for 5 minutes

### Specifications:

Strength: 97.5% minimum                      Shade: ΔE (CIE Lab) = 1.5 maximum  
 Insolubles: 0.50% maximum                      Melting Point: 148 - 152°C

**Heavy Metals Assay:** (in ppm)

Antimony <2.00	Iron <6.00
Arsenic <1.00	Lead <0.50
Cadmium <0.10	Mercury <0.04
Chromium <0.50	Selenium <2.00
Copper <0.60	Zinc <10.0

**Solubility Data:**  
 (in grams per 100g of solvent)

Acetone	19.0
Ethanol	0.20
MEK	34.0
Xylene	12.0

### Lightfastness (ISO 4892-2):

PS	Masstone:	8	(0.05% Dye)
	Tint:	7	(0.05% Dye + 1.0% TiO2)
PC	Masstone:	4	(0.05% Dye)