



AMAPLAST® RED G

Solvent Red 135 (Solvent Process)



Regulatory Information:

CAS Registry Number: 20749-68-2
 TSCA (US): Registered
 EINECS No. (EC): 244-007-9
 REACH: Low volume exemption (< 1 MT/year)
 DSL (Canada): Registered
 IECSC (China): Registered
 ECL (Korea): KE-33308
 ENCS (Japan): 5-3098
 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).

Food Contact Information:

FDA Status: FDA compliant for use in PET and PETG (<5% CHDM) at loadings less than or equal to 0.20% (Conditions C-G)
 China Positive List: Compliant with GB9685-2016 at loadings less than or equal to 0.20% in ABS, AS, PA, PC, PEI, PET, PPE, and PS.
 French Positive: Listed

Use:

Suitable Resins:
 ABS, Acrylic, PBT, PET, Polycarbonate, 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: | 316 - 320°C |
| Hexachlorobenzene: | 10 ppm maximum | Moisture (LOD): | 0.2% maximum |

Heavy Metals Assay: (in ppm)

| | |
|----------------|----------------|
| Antimony <2.00 | Iron <20.0 |
| Arsenic <1.00 | Lead <2.00 |
| Cadmium <2.00 | Mercury <2.00 |
| Chromium <2.00 | Selenium <2.00 |
| Copper <1.00 | Zinc <3.30 |

Solubility Data:

(in grams per 100g of solvent)

| | |
|---------|-------|
| Acetone | <0.01 |
| Ethanol | <0.01 |
| Xylene | 0.07 |

Lightfastness (ISO 4892-2):

| | | | |
|----|-----------|---|--------------------------------------|
| PS | Masstone: | 8 | (0.05% Dye) |
| | Tint: | 7 | (0.05% Dye + 1.0% TiO ₂) |
| PC | Masstone: | 7 | (0.05% Dye) |