

Product Name : Plast Green 8645

General Properties

| Appearance | | Green Powder | Color Index Generic Name | | C.I.Solvent Green 20 |
|--------------------------|---------------------|--------------|-----------------------------|----------------|----------------------|
| Moisture(Maximum %) | | 1.0 | Chemical Constitution | | Anthraquinone |
| pH | | 6.5 ± 1.5 | Solubi -lity (%) | Methyl Alcohol | 0.1 > |
| Melting Point(°C) | | 180 °C | | Acetone | 0.70 |
| Resis tance to | Acid (5%HCl aq.) | 5 | | Cyclohexanone | 4.90 |
| | Alkali (5%NaOH aq.) | 5 | | Toluene | 8.60 |
| | Water (95°C 5min) | 5 | | Ethyl Acetate | 0.90 |

Fastness Properties

(Resins for use)

(Color Concentration)

| | | | | | | |
|----------|---|-----------------|-------------|---|-------|-------|
| P.S. | : | Stylon 666 | Transparent | : | Color | 0.05% |
| A.B.S. | : | Cycolac T | | | | |
| P.M.M.A. | : | Delpet 80N | | | | |
| P.A. | : | UBE Nylon 1022B | Opaque | : | Color | 0.05% |
| P.C. | : | Lexan 101-111 | | | TiO2 | 0.5% |

| Resin | Transparent | | | | | | Opaque | | | | | |
|----------|----------------|----------|-------------------------------|-----|-----------------|-----|----------------|----------|-------------------------------|-----|-----------------|-----|
| | Light Fastness | | Heat Resistance (°C 5minutes) | | | | Light Fastness | | Heat Resistance (°C 5minutes) | | | |
| | 50 hrs. | 100 hrs. | 240 | 260 | 280 | 300 | 50 hrs. | 100 hrs. | 240 | 260 | 280 | 300 |
| P.S. | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| A.B.S. | 3 | 2 | 5 | 5-4 | 4 | 4-3 | 3-2 | 2 | 5 | 5-4 | 5-4 | 4-3 |
| P.M.M.A. | 5 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | - |
| P.A. | - | - | - | - | - | - | - | - | - | - | - | - |
| | 100 hrs. | 200 hrs. | 300°C 10min. | | 320°C 10min. | | | | 300°C 10min. | | 320°C 10min. | |
| P.C. | 5 | 5 | 5 | | 5 | | - | - | - | | - | |

Extent of discoloration had be judged by gray-scale and indicated 5 rank.