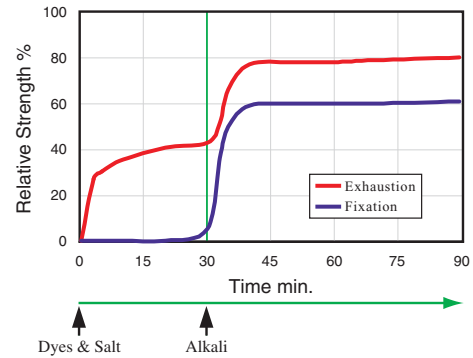


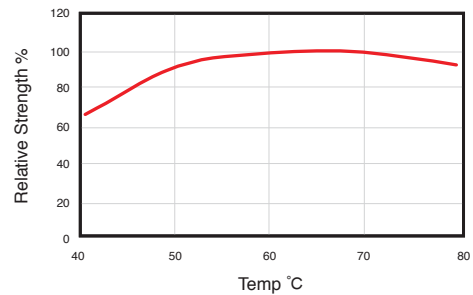
Dyeing Properties 特性

| Characteristics | | Evaluation |
|---|----------------------------------|------------|
| Reactivity 反應性 | | II |
| Substantivity 親和性 | | A |
| Migration 移染性 | | 2 |
| Washing off 洗淨性 | | 4 |
| Solubility g/l 溶解度 | 50°C Water | 100 |
| | 50°C Water+50 g/l Salt | 100 |
| High temp. Dyeing 高溫染色性 | Dyed fabric 色布 | 3-4 |
| | Dye Liquor 染浴 | 4 |
| Color constancy 色恆性 | Tungsten Lamp | G |
| | TL 84 Lamp | G |
| Metallic ions 金屬離子 | Fe ⁺⁺ 鐵 | 4-5 |
| | Cu ⁺⁺ 銅 | 4 |
| Resin finishing 樹脂加工 | Melamine 三聚氰胺 | 5 |
| | Glyoxal 乙二醛 | 5 |
| Shade change after fixing treatment 固色後變色性 | Polyamide 聚乙醯胺 | 4-5 |
| | Quaternary ammonium salt 四級胺鹽 | 4-5 |
| Stripping 脫色性 | (1) | 2 |
| | (2) | 2 |
| | (3) | 2-3 |
| | (4) | 2-3 |
| Discharge ability 拔染性 | Neutral 中性 | 4 |
| | Alkaline 鹼性 | 3 |

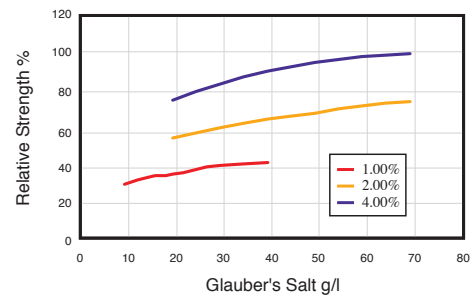
吸盡固著曲線 Exhaustion & Fixation



溫度依存性 Dependency on temperature



芒硝依存性 Dependency on Glauber's salt



Everzol Yellow ED



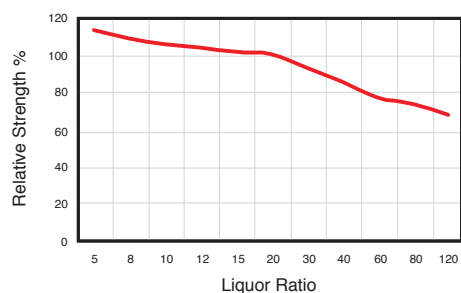
Fastness before fixing treatment 固色前牢度表

| Evaluation | | Depth of shade 染色濃度 | Color change 變褪色 | Staining 污染 | | | | | | Evaluation | | Depth of shade 染色濃度 | Grade 級數 | |
|------------|----------------------|------------------------|---------------------|-----------------|-------------|-------------|-----------------|----------------|------------|-------------------------|-----------------------------------|------------------------|-------------|------|
| | | | | Acetate 醋酸纖維 | Cotton 棉 | Nylon 尼龍 | Polyester 聚酯 | Acrylic 壓克力 | Wool 羊毛 | | | | | |
| Fastness | Washing 耐水洗 | ISO C02 | 3.0% | 4-5 | 5 | 4-5 | 5 | 5 | 5 | 5 | Chlorinated Water耐氯水(20ppm) | 3.0% | 2 | |
| | | ISO C03 | | 4-5 | 5 | 4-5 | 5 | 5 | 5 | 5 | Peroxide Bleaching雙氧水漂白 | | 4 | |
| | | ISO C04 | | 4-5 | 5 | 4 | 5 | 5 | 5 | 4 | Rubbing 耐摩擦 | Dry 乾 | 3.0% | 5 |
| | | ISO C06-C1S | | 4-5 | 5 | 4 | 5 | 5 | 5 | 5 | | | Wet 濕 | 3.0% |
| | | ISO C06-C2S | | 4-5 | 5 | 4-5 | 5 | 5 | 5 | 5 | M&S C9A 擬溼日光 (detergent Light) | | 0.3% | 5 |
| | | M&S C4A | | 4-5 | 5 | 4-5 | 5 | 5 | 5 | 5 | | | 3.0% | 5 |
| | Water 耐水 | 3.0% | 4-5 | 5 | 5 | 5 | 5 | 5 | 5 | M&S C10A (UK-TO) | | 3.0% | 4-5 | |
| | Hot Water 耐熱水 | 3.0% | 4-5 | 5 | 5 | 5 | 5 | 5 | 5 | Saliva (DIN) 耐唾液 | | 3.0% | 5 | |
| | Sea Water 耐海水 | 3.0% | 4-5 | 5 | 4-5 | 5 | 5 | 5 | 5 | Hot- Pressing 耐熱壓 | Dry 乾 | Immediately | 3.0% | 5 |
| | Post mercerizing 後絲光 | 3.0% | 3-4 | | 4-5 | | | | | | | 4 Hours after | 3.0% | 5 |
| | Acid hydrolysis 酸水解 | 3.0% | 4 | 5 | 4-5 | 4 | 5 | 5 | 4 | | Wet 濕 | Immediately | 3.0% | 5 |
| | Perspiration 耐汗 | 3.0% | 4-5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 Hours after | | 3.0% | 5 | |
| | | | Alkali 鹼 | 4-5 | 5 | 4 | 4-5 | 5 | 5 | 5 | Dry cleaning 耐乾洗 | | 3.0% | 4-5 |

Light Fastness 日光堅牢度

| Evaluation | | Dyeing Depth 染色濃度 | Color Change 20 AFU | Grade ISO Blue Scale | Evaluation | | Dyeing Depth 染色濃度 | Color Change 20 AFU | Grade ISO Blue Scale |
|---|--|----------------------|------------------------|-------------------------|----------------------------|----------------|----------------------|------------------------|-------------------------|
| Artificial Light (Xenon-Arc Lamp) 耐日光 | | 0.1 % | * | * | Perspiration Light 耐汗日光 | Acid Alkali | 3.0 % | 4 | 5-6 |
| | | 0.3 % | 4 | 5 | | | | 4 | 5 |
| | | 1.0 % | 4-5 | 6 | | | | | |
| | | 3.0 % | 4-5 | >6 | | | | | |
| | | 6.0 % | 4-5 | >6 | | | | | |

浴比依存性 Dependency on Liquor ratio



鹼依存性 Dependency on alkali

