

DYMAPRINT 160

POLYMIER EMULSION

INTRODUCTION

DymaPrint 160 is a cutting-edge, industrial-grade fabric dye designed for high-performance textile applications. Its formulation ensures rich, consistent coloration, excellent colorfastness, and broad compatibility across a range of fabrics such as cotton, polyester, and their blends. Perfect for sectors ranging from decorative textiles to technical fabrics, this dye is ideal for manufacturers seeking vibrant quality with reliability.

KEY FEATURES

- **Vivid Color Reproduction** – DymaPrint 160 provides deep, saturated shades that retain brilliance wash after wash.
- **Colorfast & Fade Resistant** – High resistance to fading from UV exposure, laundering, and friction.
- **Eco-Consconscious Formulation** – Water-based dyeing minimizes hazardous chemical usage and aligns with sustainability efforts.
- **Versatile Textile Compatibility** – Optimized for natural and synthetic fibers including cotton, polyester, rayon, blends.
- **User-Friendly Application** – Can be applied via dip, jet, or pad dyeing systems. Machine washable and suitable for industrial continuous dyeing lines.
- **Universal Fastness Standards** – Meets or exceeds ISO standards for wash, light & rub fastness, ensuring textile quality and consumer safety.

Technical Specifications:

Property	Specification
Form	Concentrated aqueous dispersion
Solids Content	~30%
pH (Diluted)	6.5 – 7.5
Temperature Range	30 °C (86 °F) to 95 °C (203 °F)
Compatibility	Cotton, polyester, poly-cotton blends, rayon, nylon
Fastness Grades	Wash: 4–5; Light: 4; Rub: 4 (ISO standard)
Dosage	1–3% owg (on weight of goods), depending on desired depth
Storage	Cool, dry (<30 °C), kept sealed; stable 12 months

TYPICAL APPLICATIONS

- **Apparel** – T-shirts, activewear, work uniforms
- **Home Textiles** – Upholstery, drapery, bed linens
- **Technical Textiles** – Filters, industrial fabrics, automotive interiors
- **Promotional Products** – Bags, banners, standard media fabrics

COMPLEMENTARY PRODUCTS

- **Fixing Agents** – Enhance dye stability under UV and washing.
- **Leveling Auxiliaries** – Prevent uneven shade distribution.
- **Eco-Rinse/Enzyme Wash** – Helps remove unreacted dye, improve hand feel.
- **Softening Agents** – Post-treatment finish for desired fabric softness.

USAGE GUIDELINES

1. **Preparation** – Pre-wash fabric to remove oils & sizing.
2. **Dye Bath Setup** – Dissolve DymaPrint 160 at 1-3% owg in warm (~60 °C) water.
3. **Dyeing Process** – Maintain bath temperature, pH, and liquor ratio (usually 1:10).
4. **Fixation** – Temperature hold (90–95 °C) for 30–60 minutes.
5. **Rinsing & Post-Treatments** – Cold rinse, then optional mild surfactant or enzyme wash.
6. **Quality Control** – Test fabric for fastness and adjust formulation as needed.

WHY CHOOSE DYMAPRINT 160?

DymaPrint 160 delivers a perfect balance of performance, safety, and ease of use. Its robust colorfast properties, compliance with international standards, and flexibility make it a go-to choice for industrial dyeing operations. Tailored to support both large-scale production and custom shade work, it's a reliable solution for elevating textile quality and efficiency.

STORAGE & SAFETY

- **Shelf Life:** 12 months when stored properly.
- **Storage Conditions:** Tight container, ≤ 30 °C, out of direct heat/sunlight.
- **Safety Measures:** Non-toxic, non-flammable. Use gloves and goggles when handling concentrates. Follow MSDS guidelines.