TECHNICAL DATA SHEET: M-X LUMES TRANSPARENT PLUS

1. PRODUCT IDENTIFICATION

M-X LUMES Transparent Plus is a premium, two-component epoxy casting system, specifically engineered for professional artists and preservationists. It offers a unique combination of ultra-low viscosity, exceptional air-release, and long-term optical clarity that outperforms standard "ultra-clear" market options.

2. TECHNICAL SPECIFICATIONS

Property	Specification
Mixing Ratio	3:1 (By Weight)
Viscosity (Mixed)	180 +/- 20 mPas (Ultra-Low)
Pot Life	> 120 Minutes
Shore Hardness	80 - 82 D
Cure Time (Demould)	24 Hours
Full Cure	72 Hours
Max Pour Depth	25 mm

3. COMPETITIVE ADVANTAGES (Why M-X LUMES is Better)

- Ultra-Low Viscosity (180 mPas) for Zero Bubbles

Unlike standard casting resins that have a syrup-like consistency (450-600 mPas), M-X LUMES flows with the ease of water. This allows trapped air and micro-bubbles to rise to the surface and burst naturally without the need for a torch, heat gun, or vacuum chamber. It penetrates deep into intricate molds, flower petals, and complex details for a flawless, glass-like finish.

- Proprietary Triple-Shield UV Stability

While many resins use a single UV inhibitor, M-X LUMES employs a multi-stage stabilization package (HALS + UV Absorber + Optical Brightener). This advanced formulation provides superior, long-term protection against yellowing caused by UV exposure, ensuring your white flowers stay white and your clear casts remain optically brilliant for years, not just months.

- Optimized Working Window for Professionals

With a 120-minute pot life, M-X LUMES provides ample time for precise placement and design work but transitions to a gel state faster than high-latency systems. This reduces the window for dust and debris to settle on the surface and allows for faster demoulding and project turnaround without sacrificing quality.

- Passive Degassing Technology

The system is engineered for "passive air release," meaning the chemical formulation actively promotes the upward migration of air bubbles. This significantly reduces the manual labor required to get a perfect surface, making it ideal for both beginners and high-volume production environments.