



Low temperature thermoplastic sheets provide a versatile solution for custom forming, shaping, prototyping, crafts and functional components. These flat sheets become soft and pliable upon thermal activation, allowing precise molding around suitable forms and surfaces.

**LATEX-FREE****REHEATABLE****REUSABLE**

## ■ STEP-BY-STEP APPLICATION GUIDE

### 01

#### Thermal Heating

Set water bath to 65°C - 70°C. Submerge sheet for 2 to 3 minutes until fully soft and pliable.

### 02

#### Surface Drying

Remove sheet from water and pat dry gently using a clean, soft cloth to eliminate excess moisture.

### 03

#### Molding & Shaping

Shape around the desired form or surface. Use suitable straps or fixtures when required for the application.

### 04

#### Stabilization

Hold the formed sheet in position for 10 minutes to complete hardening and structural stabilization.

### 05

#### Shape Memory

Features 100% elastic memory. Can be reheated and remolded more than 8 times.

## ■ CRITICAL TECHNICAL CONSIDERATIONS & PRECAUTIONS

- 1. Strict Temperature Control:** Water temperature must remain between 65°C - 70°C. Never exceed 80°C, as excessive heat causes permanent material shrinkage and structural deformation.
- 2. Immersion Duration:** Avoid prolonged submersion. A 2 to 3 minute heating window is fully sufficient for complete softening and activation.
- 3. Ambient Operating Conditions:** At room temperatures exceeding 20°C, the optimal molding window is within 1.5 to 3 minutes after heating.
- 4. Controlled Stretch Ratio:** Material can be stretched up to 1.5 times its original dimension. Over-stretching damages memory retention and structural resilience.
- 5. Factory Setting Reset (Rebound):** To reset a formed sheet back to its original flat state, re-submerge in water at 65°C - 70°C for 5 minutes. It will automatically return to flat.
- 6. Surface Adhesion Handling:** Minor surface stickiness may occur during heating. Do not pull aggressively. Tackiness automatically resolves as the material cools and hardens in air.
- 7. Storage Requirements:** Store in a cool, dry place at standard room temperature. Protect from direct heat sources.

**Shelf Life / Validity:** 36 Months**Production Date:** Stamped on Package**Product Type:** General-purpose LTTP Sheet