



*RESILIENT POLYESTER RESIN FOR CLEAR CASTING*

Description : ETERSET 2121P-1 is a light colored, prepromoted, resilient, crack and craze resistant polyester resin for transparent castings.

Performance:

Provides excellent transparency and light color.

Minimizes the cracking and crazing experienced with conventional clear casting resins.

Suggested use: Casting objects into clear, transparent pieces.

Solid spheres, jewelry.

Imbedding specinems, objects.

**SPECIFICATIONS**

|  |                         |
|--|-------------------------|
| Color, Gardner ('63)                                     | Faint blue-transparency |
| Styrene monomer content, %                               | 35-40                   |
| Viscosity-Brookfield at 25°C<br>#2 spindle at 60rpm, cps | 300-400                 |
| Specific gravity at 25°C                                 | 1.11                    |

## TYPICAL PERFORMANCE DATA

(for guidance only)

Typical curing characteristics :

Room temperature cure at 25°C

1.0% MEKPO (55%)

|                                    |         |
|------------------------------------|---------|
| Gel time, minutes                  | 10'-20' |
| Total time to peak exotherm, mins. | 30'-50' |
| Peak exotherm, °C                  | 120-150 |

Typical physical properties of cured castings :

Clear casting, ETERTSET **2121P-1**

|   |     |
|---|-----|
| Barcol hardness   | 40  |
| Tensile strength, * Kg/cm <sup>2</sup>                    | 530 |
| Elongation, * %   | 1.4 |
| Flexural strength, ** Kg/cm <sup>2</sup>                  | 950 |
| Flexural modulus, ** Kg/cm <sup>2</sup> x 10 <sup>2</sup> | 410 |
| Heat distortion temperature, °C                           | 61  |

\* ASTM D 638

\*\* ASTM D 790

Recommended storage :

Typical storage life at temperature below 25°C is three months. Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. Keep containers sealed to prevent moisture pick-up and monomer loss.

---

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.