



FUTURISTIC RESIN SUPPLIER

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TECHNICAL DATA SHEET –

E2121P-1

RESILIENT POLYESTER RESIN FOR CLEAR CASTING

2000/12/14

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 specimens, objects.

For any additional information, please contact Atlin Chemicals at one of our branches:

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You could also contact us through our website at: www.atlinchemicals.co.za

SPECIFICATIONS

Color, Gardner ('63) Faint blue-transparency

Styrene monomer content, % 35-40

Viscosity-Brookfield at 25°C 300-400
#2 spindle at 60rpm, cps

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, **E2121P-1**

Barcol hardness 40

Tensile strength, * Kg/cm² 530

Elongation, * % 1.4

Flexural strength, ** Kg/cm² 950

Flexural modulus, ** Kg/cm² x 10² 410

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.

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