



Resilient Polyester Resin for Hand Lay-up

Description :

2020 is a unprepromoted resilient polyester containing no wax.

Performance :

- Offers high impact strength.
- Provides medium-fast cure.
- Gives good wet-out.
- Exhibits minimum photographing of reinforcement content.
- Has good strength in laminates.

Suggested use :

- General purpose hand lay-up of small parts.
- Appliance applications.

SPECIFICATIONS

Appearance	Light greenish
transparency	
Styrene monomer content, %	34 - 37
Viscosity (Brookfield spindle #3, 60rpm, at 25°C), cps	350-450

TYPICAL PERFORMANCE DATA

(for guidance only)

Typical Curing Characteristics:

Room temperature cure at 25°C, 0.5% Co(6%), 1.0% MEKPO (55%)

Gel time, mins. 10'-15'

Total time to peak exotherm, mins.	15'-45'
Peak exotherm temperature, °C	>=125

Room temperature cure at 25°C, 0.25% Co(6%), 2.0% MEKPO (60%)

Gel time, mins.	8'
Total time to peak exotherm, mins.	20'
Peak exotherm temperature, °C	140

Typical Physical Properties :

Clear casting, 2020	
Barcol (934-1) hardness	41
Tensile strength, kgf/mm ² (ASTM D 638)	6.0
Elongation, %(ASTM D 638)	2.3
Flexural strength,kgf/mm ² (ASTM D 790)	11
Flexural modulus,kgf/mm ² (ASTM D 790)	300
Heat deflection temperature, °C	67
Glass Fiber Laminates (450g/m ² 3 layers)	
Tensile strength, kgf/mm ² (ASTM D 638)	11.6
Flexural strength,kgf/mm ² (ASTM D 790)	17.6
Flexural modulus,kgf/mm ² (ASTM D 790)	730
Fiber content, %	30

Recommended Storage:

Typical storage life at temperature below 25°C is six 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. Agitate before using.

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.