

## ACRYLIC BACKING

### Resin Characteristics

Orthophthalic unsaturated polyester resin  
Medium reactivity – Medium viscosity  
White pigmented, thixotropic, blue MEK-P  
indicator, preaccelerated

### Versions

N/A

### Molding Technique

Hand Lay-Up  
Spray-Up

### End Products

Acrylic sinks and bathtubs

### Remarks

Good adhesion on acrylic  
Fillers can be incorporated before use

### Liquid Properties

Viscosity <sup>1</sup>	500-700	cp
Thix Index <sup>2</sup>	min. 3	
Solid Content	55-60	%
Acid Value	max. 30	mgKOH/g
Gel Time <sup>3</sup>	10-20	minutes
Peak Exotherm	140-150	°C

<sup>1</sup> 20°C, sp4 50/5rpm

<sup>2</sup> Only for thixotropic version

<sup>3</sup> 20°C, 1ml Curox M300 per 100g resin

### Mechanical Properties of Non Reinforced Clear Castings<sup>4</sup>

Tensile Strength	70	Mpa	ISO 527
Elongation at Break	2	%	ISO 527
Tensile Modulus	3700	Mpa	ISO 527
Flexural Strength	100	Mpa	ISO 178
Flexural Modulus	3800	Mpa	ISO 178
HDT	65	°C	ISO 75A
Hardness	38	Barcol	934-1

<sup>4</sup> Samples post cured 3 hours at 80°C and 1 hour at 100°C.

### Stability

The resin is stable for at least 6 months if stored in original packaging in a dry, well ventilated area away from direct sunlight. The storage temperature must not exceed 25°C.

### Packaging

Available in  
Bulk  
1000kg IBC  
230kg Drums  
18kg Cans

(11/2004E-R01)

