

ESTAREZ[®] 495P

polyester resin



Quality
Endorsed
Company
ISO 9002 LIC. 149
Standards Australia

MSDS Code: G

ESTAREZ[®] 495P is a waxed, non-thixotropic, pre-accelerated, orthophthalic polyester resin, specifically formulated for synthetic-marble casting applications.

FEATURES AND ADVANTAGES

- ★ Can be used with a variety of fillers, including calcium carbonate, alumina trihydrate, and silica
- ★ Superior wet-out of fillers
- ★ High filler loadings can be achieved
- ★ Fast reactivity and cure-rates, allowing quick de-mould times

TYPICAL PROPERTIES

1.	Liquid Resin	ESTAREZ [®] 495P
	Reactivity @ 25°C, 1% Butanox M-50 (minutes)	13
	Cone and Plate viscosity, @ 25°C (Poise)	4.5
	Specific Gravity @ 25°C	1.11
	Stability in the Dark	
	@ 20°C (months)	3
	@ 80°C (days)	1
2.	Cured Resin Casting	
	Water Absorption after 24 hours @ 25°C (%)	0.24
	Barcol Hardness	40
	Heat Deflection Temperature @ 1.82 MPa (°C)	60
	Flexural Strength (MPa)	94
	Flexural Modulus (GPa)	4.2
3.	Gel Time variation with Temperature and Catalyst	

ESTAREZ[®] 495P (un-filled)

Temperature °C	% M-50 CATALYST			
	2.0	1.5	1.0	0.75
15	17	21	24	N/R
20	12	15	18	25
25	9	11	13	20
30	N/R	6	9	16
35	N/R	N/R	7	11

Note: Gel times are in minutes
N/R: Not Recommended

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