



UNSATURATED POLYESTER RESIN FOR MARBLE

Description:

Resin 007 is a medium viscosity, unprepromoted polyester for use where high filler loadings are needed.

Performance:

Exhibits superior wetting properties.

Accepts high filler loadings.

Offers excellent toughness & low shrinkage.

SPECIFICATIONS

Appearance	Yellowish transparency
Styrene monomer content, %	30 - 34
Viscosity Brookfield at 20°C spindle #3 at 60rpm, cps.	700-900
Specific gravity at 25°C	1.10-1.20
Acid value, mg KOH/g, resin	17-27

TYPICAL PERFORMANCE DATA

(for guidance only)

Typical curing characteristics:

0.25%Co(6%),2% MEKPO (55%)	20 °C
Gel to peak exotherm, mins	6'-7'
Total time to peak exotherm, mins.	10'-20'
Peak exotherm, °C	140-170

Typical physical properties of cured castings:

Barcol hardness	41
Tensile strength, * kg/cm ²	650
Elongation, * %	2.3
Flexural strength, ** kg/cm ²	1100
Flexural modulus, ** kg/cm ²	30000
Heat distortion temperature, °C ***	67

* ASTM D 638 ** ASTM D 790 *** ASTM D 648

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.

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