



SILMAR® RESIN S41 TECHNICAL DATA

MASS CASTING RESIN

FEATURES:

- | | |
|-----------------------|-----------------|
| * Exceptional Clarity | * Low Exotherm |
| * Moderately Fast | * Low Shrinkage |

GENERAL DESCRIPTION:

S41 is designed to minimize the need for multiple pours in making castings. In cured form it has a smooth surface finish. S41 maintains its exceptional clarity when casting small to moderately large castings. The amount of catalyst is determined by the casting size.

UNCURED PROPERTIES (TYPICAL):

Color	Light Bluish
Casting	Colorless, Clear
Viscosity	470 cps
Specific Gravity	1.14
Weight/Gallon	9.5 lbs.
Stability @77°F	4 months

CURING DATA (TYPICAL):

1.02 phr DDM-9 Catalyst @ 77°F

Gel Time	19 minutes
Time to Peak Exotherm	45 minutes
Peak Exotherm Temperature	200°F

This material has a monomer (Styrene) content of 37% ± 5%

April 13, 1995 Revision

(See Reverse Side)

Silmar® Resin S41 Technical Data**MECHANICAL PROPERTIES OF CURED RESIN****UNFILLED (TYPICAL):**

Barcol Hardness	38/42
Flexural Strength, psi	13,200
Flexural Modulus, msi	0.36
Tensile Strength, psi	6,100
Tensile Modulus, msi	0.72
Elongation (%)	1.5
Heat Deflection Temperature @ 264 psi, °F	110

Note: The catalyst used is to provide a standard reference base for our Resins. Its use by us should not be taken as a recommendation either as to catalyst type or level of use.

We believe this information is reliable, but we do not guarantee its accuracy and assume no liability arising out of its use. The user should thoroughly test any application before commercialization. Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.

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