



SIL95BA-41

Clear Casting Resin

Technical Data Sheet

SIL95BA-41 is a polyester resin promoted for ambient temperature cure with MEK peroxide. It is used to produce medium to large size castings with exceptional clarity. SIL95BA-41 was designed to reduce cracks in larger castings with a long cure time, low peak exotherm, and minimal shrinkage.

TYPICAL RESIN PROPERTIES @ 77°F		RESULTS
Brookfield Viscosity. (RV) #2 @ 20 rpm		400 – 600
Catalyst %, DDM-9		1.0
Gel Time, min:sec		14:00 – 25:00
Gel to Peak Time, min:sec		35:00 – 60:00
Peak Exotherm °F (°C)		175–225 (79-107)
Solids %		62.0 – 64.5

MECHANICAL PROPERTIES OF NEAT CURED RESIN		RESULTS	
Property:	ASTM Test Method	Psi	Mpa
Flexural Strength	D-790	13,200	91
Flexural Modulus	D-790	7.3×10^5	5034
Tensile Strength	D-638	6,400	44
Tensile Modulus	D-638	7.2×10^5	4966
Tensile Elongation, %	D-638	1.5	1.5
Heat Distortion Temperature	D-648	115°F / 46.1°C	
Hardness, Barcol 934-1	D-2583	38 - 42	

Interplastic Corporation makes no warranties regarding any material and/or samples described in this report. All properties specified above are approximate and may vary from material delivered. Delivered material complies with the certificate of analysis on each shipment of product. Interplastic corporation makes no representations of fact regarding the material except those specified above. Final determination of part or application and the suitability of the material for the use contemplated is the sole responsibility of the buyer. Our technical sales representatives will assist in developing procedures to fit individual requirements as a customer accommodation, but all advice is accepted at your risk and should be checked for suitability to your particular processes and needs. These test data and properties are based on results obtained for a specific material under the specified test conditions - they are not to be used as specifications and are not warranted as performance attributes for any product or system.

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