



SIL66BE-249ALH Laminating Resin (Surf/Sail Board) Technical Data Sheet

SIL66BE-249ALH is a surfboard laminating resin containing 35% maximum styrene. It contains UV stabilizer and does not contain wax.

| TYPICAL RESIN PROPERTIES @ 77° F | RESULTS |
|------------------------------------|---------------|
| Brookfield Viscosity @ 20 rpm, cps | 410 – 610 |
| Brookfield Spindle No. (RV) | 2 |
| Catalyst, %, DDM-9 MEK-P | 1.00 |
| Gel Time, minutes:seconds | 11:00 – 19:00 |
| Gel to Peak Time, minutes:seconds | 9:00 – 19:30 |
| Peak Exotherm, °F | 275 – 315 |
| Solids, % | 65.0 – 68.0 |
| UV Test | Positive |

| MECHANICAL PROPERTIES OF NEAT CURED RESIN | | RESULTS | |
|---|------------------|------------------------|-------|
| Property: | ASTM Test Method | Psi | Mpa |
| Flexural Strength | D-790 | 20,200 | 139.3 |
| Flexural Modulus | D-790 | 5.85 x 10 ⁵ | 4033 |
| Tensile Strength | D-638 | 10,500 | 72.4 |
| Tensile Modulus | D-638 | 6.17 x 10 ⁵ | 4254 |
| Tensile Elongation | D-638 | 2.1 % | |
| Heat Distortion Temperature | D-648 | 149°F / 65.0°C | |
| Hardness, Barcol 934-1 | D-2583 | 42 - 44 | |

All specifications and properties specified above are approximate. Specifications and properties of material delivered may vary slightly from those given above. Interplastic Corporation makes no representations of fact regarding the material except those specified above. No person has any authority to bind Interplastic Corporation to any representation except those specified above. Final determination of the suitability of the material for the use contemplated is the sole responsibility of the Buyer. The Thermoset Resins Division's technical sales representatives will assist in developing procedures to fit individual requirements.

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