Halo® Tooling Board TDS

High-Performance, Low GWP, Engineering Tooling Board

APPLICATIONS

- Direct Tooling
- Cubing Models
- Master Models
- Patterns
- Thermoforming Tools

PROPERTIES

- Fine Surface Structure
- High Temperature Stability
- Low Coefficient of Expansion
- Compatible with Epoxy Prepregs

Property	Units	Test Method	Halo
Density	kg/m^3	ISO 1183-3	800
Hardness	Shore D	ISO 868	75
Tensile Strength	MPa	ISO 527	33
Tensile Modulus	MPa	ISO 527	1850
Compressive Strength	MPa	ISO 604	48
Flexural Strength	MPa	ISO 178	35
Flexural Modulus	MPa	ISO 178	1950
Tg	°C	ISO 11359	135
CTE	$10^{-6}m/m/°C$	ISO 11359	38
Global Warming Potential	$kgCO_2e/kg$	ISO 14040/IPCC	2.9

Please see Halo brochure for comparison with other thermoset materials

PROCESSING: The product should be at 20-25°C during processing.

BOARD SIZES:

1490 x 500 x 50 mm
1490 x 500 x 75 mm
1490 x 500 x 100 mm
1490 x 500 x 125 mm
1490 x 500 x 150 mm

STORAGE: Halo boards should be stored flat in a dry place. Temperature variations should be avoided during storage and transportation.

HANDLING PRECAUTIONS: Good workplace ventilation must be in place during processing. In addition, workers must adhere to safety measures described within the Halo Safety Datasheet.

LEGAL DISCLAIMER: Recommendations and technical information are provided in good faith, based on current knowledge and experience. However, due to variations in storage conditions, storage period, substrates and site conditions, no warranty in respect of fitness for purpose can be inferred from this information. The user must test the product's suitability for the intended application. Ru-bix Advanced Materials is happy to provide free-issue samples for this purpose. All orders are accepted subject to our current terms of sale, a copy of which can be obtained from the Ru-bix office.

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Composites UK Trade Association Member Company

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FM 734254 EMS 734253

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MAKE uk The Manufacturers' Organisation