

PRODUCT CODE: C280022

Nutech Tooling 6010 resin is a specially formulated pre-promoted, thixotropic, high performance laminating resin with low profile properties suitable for use in the following applications:

- High performance Composite tooling applications
- Marine
- Transport panels
- Other critical applications where surface finish, chemical resistance, water resistance and high temperature stability are of prime consideration.

Nutech Tooling 6010 resin is based on a blend of vinyl ester and DCPD resins giving excellent blister resistance, reduced reinforcement print-through and consistent performance.

FEATURES

- High strength and toughness
- Excellent hydrolytic stability
- High Heat Distortion Temperature
- Improved surface cosmetics- low profile

RECOMMENDED CATALYST

Norox MEKP 925H

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Appearance	Hazy, red-brown	TP202.8
Brookfield RVT Viscosity @ 25°C – Spindle 3, 50 rpm	700 – 900 cP	TP201.24
Spindle 3, 5 rpm	2300 – 4000 cp	
Cone & Plate@23°C, cps	200 – 300 cP	TP201.11
Thix Index – 5/50	3.0 min	
Geltime, (100g+1.75% MEKP) @25°C (mins)	40 – 50	TP 228.31
Volatile Content, %	40 – 43	TP 200.25
Stability in dark, months	>3	

Typical values: Based on materials tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

TYPICAL CAST UNFILLED RESIN PROPERTIES - Postcured

PROPERTY	TYPICAL VALUE	TEST DETAILS
Hardness	40 - 45	Barcol (GYZ 934-1) EN 59
Heat Deflection	92°C	ISO 175 (1.8 MPa)

APPLICATION GUIDELINES

Nutech Tooling 6010 can be used in hand lay-up and spray-up processes with fast and easy glass wet-out and excellent gel and cure properties.

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester and vinyl ester resins should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis. Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the resin before use is recommended.

STANDARD PACKAGING

Mild steel drums (225kg)

MSDS

Always refer to the MSDS before use.