

FUEL TANK RESIN

MAS Fuel Tank Resin is a low viscosity epoxy laminating resin designed for building integral fiberglass fuel tanks. It has outstanding chemical resistance to diesel fuel and gasoline. It is not recommended for use as a secondary coating to finish or repair existing integral fuel tanks constructed with other materials.



Features:

When used as a laminating resin to construct integral fiberglass fuel tanks, MAS Fuel Tank Resin will prevent the migration of fuels and other liquids into the laminate or core of fiberglass and cold molded wooden boats.

PHYSICAL PROPERTIES	Value	Test Method
Color	Clear	Visual
Hardness, Shore D	82	ASTM D2240
Tensile Strength, psi	9,500	ASTM D638
Tensile Modulus, psi	430,000	ASTM D638
Tensile Elongation, %	4.0	ASTM D638
Compressive Strength, psi	11,000	ASTM D695
Flexural Strength, psi	12,500	ASTM D790
Flexural Modulus, psi	435,000	ASTM D790
HDT, Room Temperature Cure, °F	140	ASTM D648
HDT, Post Cured, °F	150	ASTM D648

STORAGE & HANDLING:

Store at 60-100°F in a dry place. After use, tightly reseal. (This product may crystallize during storage. If crystallized, vent container and heat to 125-145°F until crystals dissolve. Stir well after product has liquefied.) Always use clean dry tools for mixing and applying. Mix according to the mix ratio stated for the specific product as listed on the front page. Mix together thoroughly and use immediately. Material temperatures should not be below 65°F when mixing.

HANDLING PROPERTIES	Value	Test Method
Resin Density at 77°F, g/cm ³	1.11	ASTM D1475
Hardener Density at 77°F, g/cm ³	0.98	ASTM D1475
Hardener Viscosity at 77°F, cP	500	ASTM D2196
Resin Viscosity at 77°F, cP	1,100	ASTM D2196
Mixed Viscosity at 77°F, cP	700	ASTM D2196
Mix Ratio by Weight	100A:50B	Calculated
Mix Ratio by Volume	100A:57B	Calculated
Gel Time at 77°C, 150g mass, min.	40-45	ASTM D2471
Demold Time at 77°F, 150g mass, hrs.	4-6	--