

TECHNICAL DATA SHEET

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Version: 1

T19X9 is an orthophthalic unsaturated polyester resin tixotropic, preaccelerated and with catalysis indicator.

T19X9 is mostly used in hand lay-up application when a low exothermic peak is required.

Delivery specification of liquid resin at 25°C

Properties	Unit	Value	Test Method
Styrene Content	%w/w	36.0 ÷ 40.0	V5 - 2010 (ref. UNI 9560)
Viscosity at 25°C	mPa·s	300 ÷ 600	V2 - 2010 (ref. UNI 8701/3)
Acid Number	mgKOH/g	28 max	UNI EN ISO 2114
Stability (in the dark)	Months	6	Internal studies

Curing Specification of liquid resin at 25°C with catalysis 1.5 g of Butanox M50™ and 100g of liquid resin

Properties	Unit	Value	Test Method
Gel Time	minutes	15'00" ÷ 35'00"	V1.1 - 2010 (ref. DIN 16945)
Curing Time	minutes	8'00 ÷ 18'00	V1.1 – 2010 (ref. DIN 16945)
Maximum Temperature	°C	160 ÷ 180	V1.1 – 2010 (ref. DIN 16945)

Properties of cured unreinforced resin (24h at Room Temperature, 9h at 105°C)

Properties	Unit	Value	Test Method
Barcol Hardness at 25°C	Unit	45	ASTM D2583-01
Tensile Strength	MPa	45	ASTM D790
Tensile Modulus	MPa	3800	ASTM D790
Elongation at break	%	2,6	ASTM D790
Heat Deflection Temperature	°C	65 (1820 kPa) 77 (455kPa)	ASTM D648

Data reported refer to medium value of tests performed in several trials and no warranty is given, whether implicit or explicit.