

TECHNICAL DATA SHEET

Emission: 1/8/2012
Version: 1

T112X9 is an isophthalic unsaturated polyester resin tixotropic, preaccelerated with catalyst indicator.

T112X9 is mostly a general purpose resin with high chemical resistance and excellent mechanical properties.

Delivery specification of liquid resin at 25°C

Properties	Unit	Value	Test Method
Styrene Content	%w/w	41.0 ÷ 44.0	V5 - 2010 (ref. UNI 9560)
Viscosity at 25°C	mPa·s	300 ÷ 500	V2 - 2010 (ref. UNI 8701/3)
Acid Number	mgKOH/g	20 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	20'00" ÷ 30'00"	V1.1 - 2010 (ref. DIN 16945)
Curing Time	minutes	8'00 ÷ 10'00	V1.1 – 2010 (ref. DIN 16945)
Maximum Temperature	°C	195 ÷ 210	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	65	ASTM D790
Tensile Modulus	MPa	3000	ASTM D790
Elongation at break	%	3,2	ASTM D790
Heat Deflection Temperature	°C	104 (1820 kPa) 121 (455kPa)	ASTM D648

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