NOMA AERO Comp HL

Resin MV + Hardeners MRA & LRA

NOMA AERO Comp — is a high-quality epoxy system range being a perfect solution for composite manufacturers where high mechanical parameters, thermal and chemical resistance, as well as easy processing are crucial.

NOMA AERO Comp HL was specifically designed for hand lay-up application, where good "green strength", surface quality and processibility are crucial.

Due to the excellent wetting properties of virtually any fillers and fibers available on the market, including glass, carbon, aramid and basalt fibers, **NOMA AERO Comp HL** range is widely used by manufacturers in transportation industry, marine, sport and even avionics and aerospace industry.

PROCESSING PARAMETERS

Parameter	Unit	Resin (A) MV	Hardener (B) MRA	LRA
Viscosity (at 23°C)	mPas	1200–1600	80–120	80–120
Density (at 23°C)	g/ml	1,12	0,90	0,92
Mixing ratio	phr		40	40
Pot-life (100 g / RT, at 23°C)	approx. in minutes		60	120

It is not common for the NOMA resins to crystalize. But it is highly recommended to keep all NOMA products in closed, humidity-free containers under temperatures between 15-30 °C . In case some clouding happens in the resin one can heat-up the resin to ca. 50 °C to remove any traces of crystallization.

Do not heat the resin with the open fire! Always warm up opened containers to avoid pressure built-up.

Sometimes hardeners tend to crystallize. They should be stored free from moisture and carbon dioxide. As partial precipitation can cause a change in the isomer ratio of the before mentioned products in the liquid phase, it is necessary to completely liquify the entire contents by warming (max. 60°C) and stirring.

For more information on this product, please do not hesitate to request our assistance through your Sales Agent.

MECHANICAL PARAMETERS

Parameter	Unit	MV/MRA	MV/LRA	STD.
Density	g/cm3	1,15	1,14	ISO 1183
Impact strength	kJ/m2	78	75	ISO 179
HDT	°C	80	79	ISO 75A
Tensile strength	MPa	80	85	ISO 527-2
Young modulus	GPa	3,0	3,0	ISO 527-2
Flexural strength	MPa	130	128	ISO 178
Flexural modulus	GPa	3,3	3,4	ISO 178
Elongation at break	%	8,0	6,8	ISO 527-2
Compressive strength	N/mm2	> 100	> 100	ISO 604
Absorption of water after 7 days	%	< 0,5	< 0,5	ISO 175

Mechanical parameters of NOMA Comp after post-curing at 60°C, 4h

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

CAUTION!

The information contained in this datasheet is based on laboratory data and our experience. Gel time and rheological properties may change because of reactive nature of material. We believe this information to be reliable, however we cannot guarantee its applicability in your process. We decline all responsibility for events that may arise as a consequence of improper use of the product. By accepting the products described herein, the user accepts the responsibility to thoroughly test any application before commencing production. Our advice should not be taken as encouragement to breach any patent, law, safety code or insurance regulation.