



General description

NM Laminating 380 A is a very low viscosity epoxy resin specially designed for good wetting and adhesion to glass-, carbon-, polyester- and aramide fibres.

NM Laminating 380 A shall gel at room temperature or just above. Full cure at 60°C, 24 hours.

The low viscosity makes NM Laminating 380 A suitable for injection.

Typical properties

Resin:

NM Laminating 380 A

Hardener:

NM Härdare 380 B

Mixing ratio:

Resin-Hardener 100-35 by weight

Resin-Hardener 100-41.68 by volume

<i>Density:</i>	1100 kg/m ³
<i>Density 380 A, 20°C:</i>	1155 kg/m ³
<i>Density 380 B, 20°C:</i>	970 kg/m ³
<i>Viscosity at 25°C:</i>	390 mPa·s
<i>Viscosity 380 A, 25°C:</i>	1000 mPa·s
<i>Viscosity 380 B, 25°C:</i>	75 mPa·s
<i>Potlife 100g 20°C:</i>	160 minutes
<i>Potlife 100g 20°C + 0.5% Acc 254:</i>	105 minutes
<i>Potlife 100g 20°C + 2.0% Acc 254:</i>	56 minutes
<i>Tensile strength:</i>	73 MPa ISO 527
<i>Elongation at break:</i>	10 % ISO 527
<i>Flexural strength:</i>	115 MPa ISO 178
<i>Modulus of elasticity_[Flexural]:</i>	3.7 GPa ISO 178
<i>HDT:</i>	83°C ISO 75 _{Af}

Interlaminar tensile strength:

<i>2 x carbon fibre:</i>	> 20 MPa
<i>2 x glass fibre:</i>	> 20 MPa
<i>Colour:</i>	Transparent
<i>Normal packing:</i>	On request
<i>Cleaning solvent:</i>	Acetone

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