

## Epoxy Resin for Electrical Components

### DENATITE XNR 5021 DENATITE XNH 5021

Items	DENATITE XNR 5021	DENATITE XNH 5021
Aspect	Black Liquid	Grayish white liquid
Specific gravity ( 25°C )	1.89	1.84
Viscosity ( 25°C )	100 Pa·s	6 Pa·s
<b>Mixing ratio</b>	<b>100 wt%</b>	<b>85 wt%</b>
Viscosity of mixture ( 25°C )	33 Pa·s	
( 40°C )	13 Pa·s	
( 60°C )	4 Pa·s	
Gelation time ( 100°C )	27 min	
<b>Cure schedule</b>	<b>100°C/1h + 150°C/3h</b>	
Tg (DSC method)	171 °C	
Coefficient of thermal expansion (<Tg)	15 x 10 <sup>-6</sup> K <sup>-1</sup>	
Flexural strength ( 25°C )	125 N/mm <sup>2</sup>	
Flexural modulus	18 GPa	
Brake down voltage ( 25°C )	20 KV/mm	
Thermal conductivity	0.75 W/m·K	
Chloride ion content (Cl <sup>-</sup> )	8 ppm	
Sodium ion content (Na <sup>+</sup> )	27 ppm	
Potassium ion content (K <sup>+</sup> )	3 ppm	

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The information given in this publication is based on the present state of our knowledge but any conclusion and recommendations are made without liability on our part.

Buyers and users should make their own assessment of our products under their own conditions and for their own requirements

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