



## EP TEF4463

## HIGH TEMP. HARD TO BOND SURFACE ADHESIVE

### ● PRODUCT DESCRIPTION

EP TEF4463 is a two component epoxy adhesive which is designed for bonding hard to bond substrates such as Teflon, Rulon, PE, PP with high temperature, chemically and corrosive resistant properties.

### ● CURING PROPERTIES

<b>100°C</b>	2 hours
<b>Pot Life</b>	48 hours
For maximum chemical and heat resistant properties, 16 hours at 150°C post cure recommended.	

### ● UNCURED PROPERTIES

<b>Base</b>	Epoxy
<b>Color</b>	Clear
<b>Mixing Ratio</b>	100:2 (by weight)
<b>Viscosity (mixed)</b>	4000cps
<b>Specific Gravity</b>	1,12

### ● CURED PROPERTIES

<b>Temperature Resistance (°C)</b>	-50 to +260 (800°C intermittent)		
<b>Tensile Strength</b>			
<b>Stainless Steel</b>	22,0 N/mm <sup>2</sup>		
<b>Aluminum</b>	27,0 N/mm <sup>2</sup>		
<b>Teflon</b>	3,0 N/mm <sup>2</sup>		
<b>Rulon</b>	3,0 N/mm <sup>2</sup>		
<b>Electrical Properties</b>			
<b>Properties</b>	<b>Methods</b>	<b>Units</b>	<b>Typical Values</b>
Dielectric rigidity	NFC 26255	kV/mm	> 15
Dielectric constant at 100 HZ and 20°C	NFC 26230	-	5.0 ± 0.5
Electrical dissipation factor at 100 HZ and 20°C	NFC 26230	-	<0.01

### ● INSTRUCTIONS FOR USE

The surfaces should be free of dust, oil and other dirt in order to obtain an optimal efficient bond. The components A and B have to be homogenised well, weight out in mixing ration and homogenised with each other for min. 2 minutes. From now, the pot life time starts and the adhesive has to be applied rapidly. The mixed adhesive should not be applied after the pot life time. It is useful to mix only this quantity of adhesive you can apply during the pot life time.

Shelf life: Store in original, unopened containers for 12 months at room temperature

The resin of part A might cristalize during storage. This process is reversible by heating (1 hour @ 40°C).

