

## Pelnox®

<b>Product Name</b>	WE-2025
<b>Product Category</b>	One Component Type Resin
<b>Usage</b>	Binders
<b>Function</b>	

As supplied (Typical Value)

Item	Condition	Unit	WE-2025
Appearance	visual	—	Light brown suspension
Specific Gravity	25°C	—	1.16
Viscosity	25°C	mPa·s	440
Gel Time	120°C	minute	about 15 minutes

Standard Curing Condition    **120°C x 2 hours**

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K 7215 25°C	Shore D	87
Curing Shrinkage	13×13×120(mm)	%	1.8
Heat Distortion Temperature	JIS K 7191-3	°C	95
Glass Transition Temperature	JIS K 7121 DSC	°C	117
	JIS K 7197 TMA	°C	131
Coefficient of Thermal Expansion	below Tg	10 <sup>-5</sup> /°C	6.4
	above Tg	10 <sup>-5</sup> /°C	17.4
Flexural Modulus	JIS K 6911 25°C	MPa	2,560
Flexural Strength	JIS K 6911 25°C	MPa	125
	JIS K 7161 25°C	MPa	1,750
Tensile Strength	JIS K 7161 25°C	MPa	83
Shear Adhesive Strength	JIS K 6850 25°C (Fe-Fe)	MPa	12.2
Volume Resistivity	JIS K 6911 25°C	Ω-cm	4 x 10 <sup>15</sup>
Water Absorption	JIS K 6911 boil for 1hr	wt%	0.30

The above values are typical and not specification



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