



Z-COAT 110

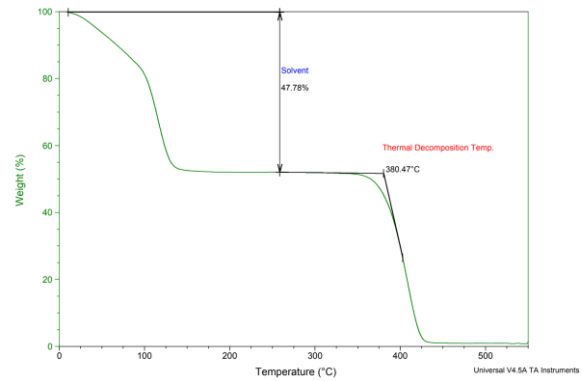
Aqueous Temporary Bonding Adhesive (Stable to 270°C)

Z-COAT 110 is water based temporary bonding adhesive with ~ 50% solid content. This green product is halogen free/metal safe and provides good adhesion throughout lead free reflow cycle. It can be debonded with low-stress air jetting (AirDebond®). Z-Coat 110 residue can be easily removed with DI Water rinse at room temperature.

Basic Material Property:

Z-Coat 110	
Appearance	Light yellow semi-transparent
Viscosity (at 25 °C)	~ 2000 cps
Hard Bake Schedule	60 °C 5 min + 120 °C 5 min
CTE 1 (< 70 °C)	~ 40 ppm
Young's Modulus	~ 1.0 G Pa
Melt Point	80 °C
Tackiness & Hardness	Tacky Free at 25 °C
Bonding	100 ~ 150 °C with vacuum/force
Decomposition Temp	> 350 °C
PH	Neutral
Cleaning	Room temp Di-water rinse
Storage	Dry environment at room temperature

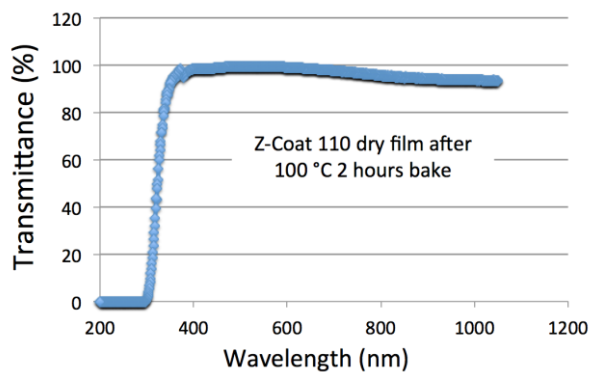
Liquid 110 TGA Analysis:



Decomposition Temp: > 350°C

Weight Loss < 2% 2 hours at 300 °C

Dry Film Transparency

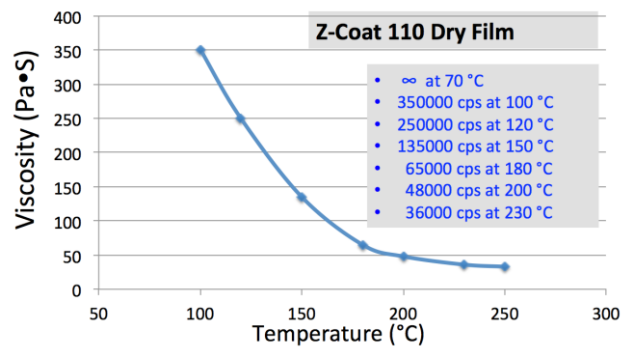


Z-Coat 110 dry film coating maintains its transparency after baking at temperature below 150 °C.

Other Key Properties:

- Thermoplastic polymer
- Refractive index ~ 1.52
- Tacky free surface at < 70 °C
- Nonflammable, No Toxic

Dry Film Melting Viscosity:



Z-Coat 110 dry film liquefies with temperature higher than 180 °C

Cleaning:

Z-Coat 110 coating can be easily removed with di-water rinse at room temperature.

Contact:

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