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3M™ Thermal Bonding Film AF42

3M ID AM000000993



3M™ Thermal Bonding Film AF42 is an epoxy, thermoset film adhesive developed for structural bonding of metal, glass and other engineering grade substances.

Features and Benefits

- 350 degree F (177 degree C) cure
- 40 degree F (4 degree C) storage required
- Cures clear
- Flexible for dissimilar substrates, high peel strength
- Non tack, low flow
- 3 mil thick version

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Overview	Documents
Product Attributes	
Adhesive Thickness	1.0 mil , 3.0 mil
Adhesive Thickness (metric)	0.03 mm , 0.80 mm
Adhesive Type	Thermoset
Application	Bezel Bonding , Case Assembly , Low Surface Energy Bonding
Application Category	Bonding
Base Material	Epoxy
Bond Cure Time	60 minutes
Bondline Temp (Celsius)	177 degree C
Bondline Temp (Fahrenheit)	350 degree F
Bond Type	Permanent
Brand	3M
Elongation	250%
Faceside Liner Color	Brown
Faceside Liner Thickness	6.5 mil
Faceside Liner Thickness (metric)	0.17 mm
Faceside Liner Type	Paper polyolefin coated
Film Color	Translucent
Maximum Width Available	48 in
Maximum Width Available (metric)	1200 mm
Product Form	Roll

Product Series	AF42
Substrate	Aluminum , Flex (PI, PET) , FR-4 , Glass , Plastics (PC, LCP) , Steel (Cold Rolled, Stainless)

Product Disclaimer

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