

Thermal Activation Tape

Kingdom KHD-5012W-0.05T

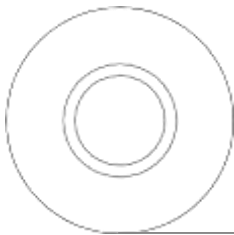


Technical Data Sheet

Product Characteristics

- Kingdom KHD-5008W-0.05T is a low temperature heat-activated tape.
- It is activated by heat and pressure during defined intervals.
- Extremely strong and ageing-resistant bonds between different materials

Product Structure



- Heat-activated Adhesive
- Release Liner

Product Applications

- Reliable and ageing-resistant bonds between plastic and metal.
- Suitable for long-term applications that are exposed to heavy stress.

Product Properties

Items	Units	Value	Test Methods
Color	-	Milky White	-
Total thickness	mm	0.05	ASTM D 3652
Tensile Strength	Mpa	13	ASTM D 3759
Elongation	%	700	ASTM D 3759
Adhesion of Nylon to PC	gf/25mm	6200	ASTM D 3330
Tg	°C	-46	-

Storage Conditions

Important: Information in this sheet is average test values, not guaranteed, just for you reference only

REV.1



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- Shelf life: 6 months after received.
- Storage temperature: Storage temperature below 30°C and stored in a cool, dry place.

Application Instructions

1. Place tape between the substrates.

Optional step: Adhesive tape will become tacky and can be pre-applied to one or both surfaces by temperature at 50-70°C and pressure at 1-3Bar.

2.Cure Activation Conditions

Temperature(GLT): 90°C – 105°C

Activation Time: 30s – 90s

Pressure: 3-6Bar

3.The glued materials can be further processed immediately after bonding and cooling down (handling, trim, cutting, etc.).

