

速能化工貿易有限公

ULTRA ENERGY ADHESIVE TRADING CO. LTD.

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香港九龍灣常悅道 20 號環球工商大廈 10 樓 9 室 Room 9, 10/F. International Plaza, 20 Sheung Yuet Road, Kowloon Bay, H.K. Tel: 852-2751 8880 Fax: 852-2795 1625 Web Site: <u>www.uea.com.hk</u> E-mail: <u>info@uea.com.hk</u>

## **TECHNICAL DATA SHEET**

#### 7063 (UL)

#### Hot Melt Stick

Product Name	:	Flame Retardant Grade Hot N	Melt Adhesive
		(UL File No. E206490)	
Manufacturer's Code	:	7063	
Usage	:	Electronic Assembling	
Basis	:	Polyolefin Copolymer	
Appearance	:	Milk White Color Glue Stick	
Solid Content	:	100 %	
Viscosity	:	10,750 CPS / 160°C (320°F	)
		8,000 CPS / 170°C (338°F	)
		6,250 CPS / 180°C (356°F	)
		5,000 CPS / 190°C (392°F	)
Working Method	:	Glue Gun	
Glue Gun Suggested Temperature	:	180°C – 200°C	
Soften Point	:	148°C (298°F)	
Open Time	:	15 - 30 Sec	
Elongation	:	420%	
Tensile Strength	:	20 kg / cm <sup>2</sup>	
Storage	:	2 Years Up	
Shore D Hardness (ASTM D 2240)	:	26	
UL-94 Flammability	:	V – 0	
2 lb Dead Load Heat Resist	:	80°C (176°F)	
Overlap Shear Strength@70°F	:	Wood - Wood	325 PSI
		AI - AI	290 PSI
		PP - PP	275 PSI
		PE – PE	250 PSI
180°C Peel Adhesion	:	Mylar Film to PP	36 PIW
		Mylar Film to PE	32 PIW
		Mylar Film to AL	38 PIW
		Mylar Film to Wood	42 PIW

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<sup>\*\*</sup> All the information is provided on the basic in good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due that the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.

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Thermal Coefficient of Expansion $(-10^{\circ}C \text{ to } +30^{\circ}C \text{ temp. range})$	:	$1.62 \pm 0.15 \times 10^{-4} / °C$	
Thermal Conductivity	:	0.105	
(BTU- ft / sq.ft.hr.°F)			
Thermal Shock Resistance	:	Pass 5	
+100°C (air) to $-40$ °C (liquid)	:	Cycle	
Dielectric Constant (ASTM D 150)	:	@ 100 Hz	2.35
		@ 1K Hz	2.35
		@ 10K Hz	2.35
		@ 100K Hz	2.35
		@ 1M Hz	2.35
		@ 100M Hz	2.35
Dielectric Strength (ASTM D 149)	:	18.5 KV / mm	
Volume Resistivity (ASTM D 257)	:	$P V = 1.08 \times 10^{17} O - CM$	
Surface Resistivity (ASTM D 257)	:	$P S = 2.51 \times 10^{16} O$	
Corrosion (10 days / 50% RH23°C to	:	Pass	
AL, Brass, Steel)			
Solvent Resistance	:	In Acetone :	A / B
(1 hour / 30 days immersion)		In Iso Proply Alcohol :	A / B
		In Freon :	B / C
		In 1,1,1 :	B / C
		Trichlorooethylene	
A = No Attack			

А	=	No Attack
В	=	Slight Surface Attack
С	=	Severe Attack

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