速 能 化 工 貿 易 有 限 公 司
ULTRA ENERGY ADHESIVE TRADING CO. LTD.
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 : www.uea.com.hk E-mail : info@uea.com.hk

TECHNICAL DATA SHEET

7063 (UL)

Hot Melt Stick

Product Name	:	Flame Retardant Grade Hot 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^2	
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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Thermal Coefficient of Expansion (−10°C to +30°C temp. range)	:	1.62 ± 0.15 x 10^{-4} / °C	
Thermal Conductivity (BTU- ft / sq.ft.hr.°F)	:	0.105	
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)	:	Þ V = 1.08 x 10^{17} O - CM	
Surface Resistivity (ASTM D 257)	:	Þ S = 2.51 x 10^{16} O	
Corrosion (10 days / 50% RH23°C to AL, Brass, Steel)	:	Pass	
Solvent Resistance (1 hour / 30 days immersion)	:	In Acetone	: A / B
		In Iso Proply Alcohol	: A / B
		In Freon	: B / C
		In 1,1,1 Trichlorooethylene	: B / C

A = No Attack
B = Slight Surface Attack
C = Severe Attack