DS-7408 제품소개

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Application

- ▶ 6~ 10 Layer 고다층 PCB 제조에 최적
- ▶ Surface Mounted Technology 에 최적
- ▶ UV Shield & AOI 특성

DS-7408 주요 특징

- Higher Glass Transition Temperature(Tg)
- Superior Chemical Resistance
- Lower Water Absorption
- High Dimensional Stability
- Lower Thermal Expansion

DS-7408 Bonding Sheet

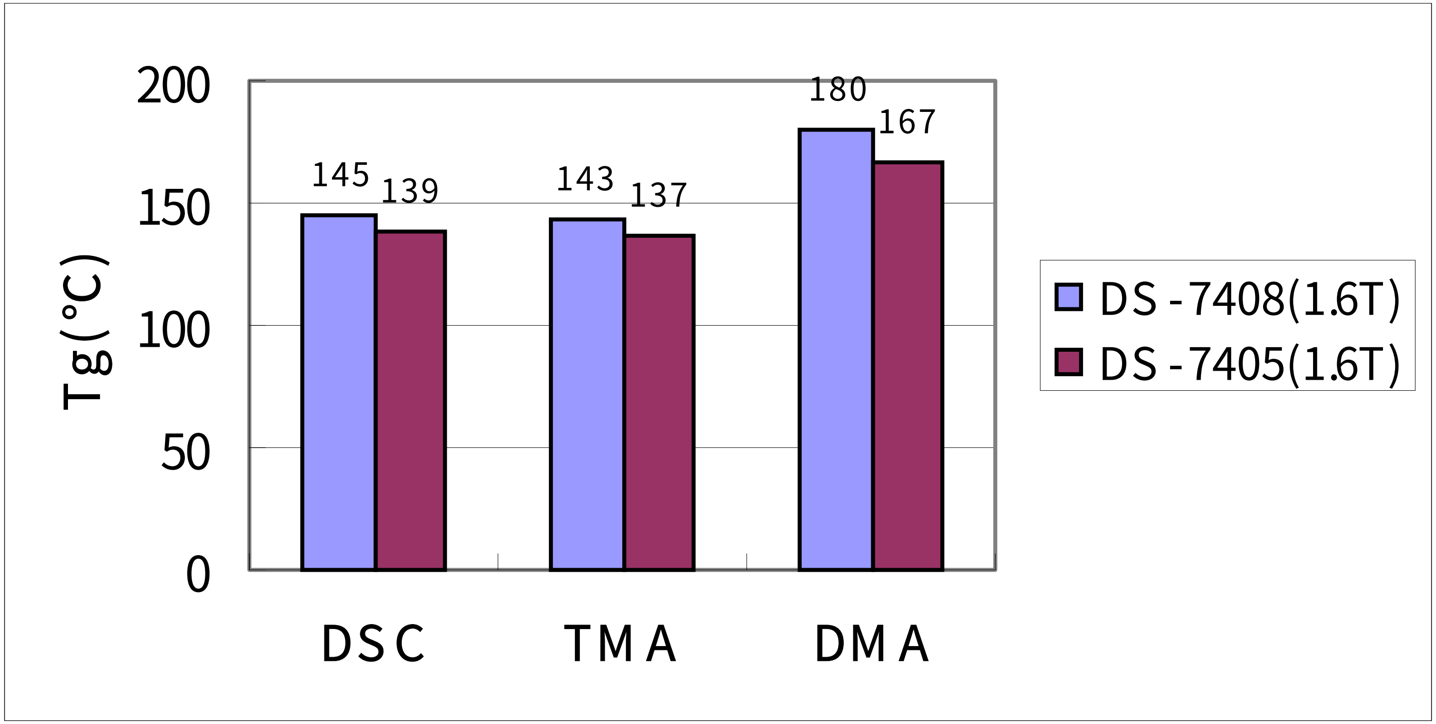
▶ 장 점

- Tetrafunctional System
- 공정 조건은 DS-7405와 동일

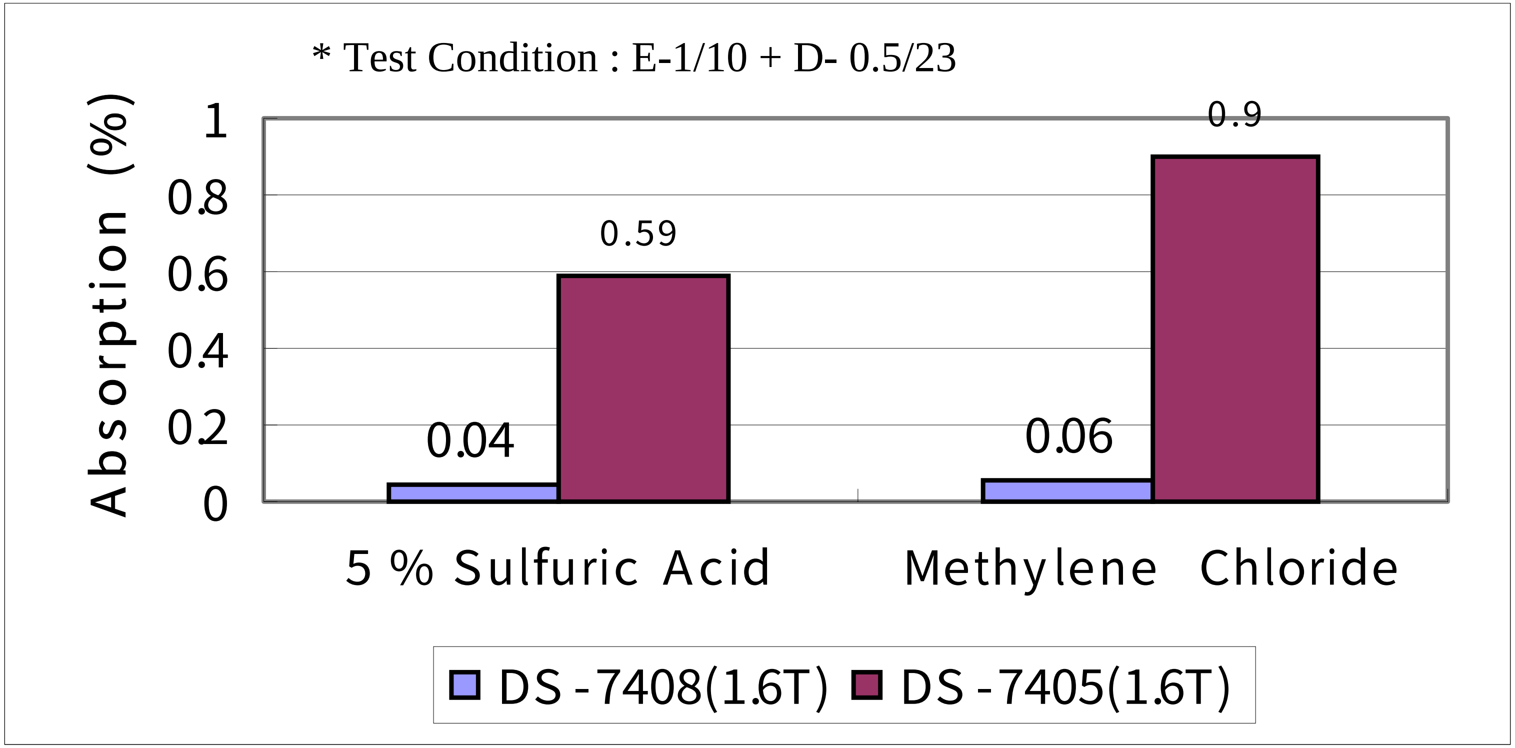
▶ 표준 물성

Grade	G/F	R/C	R/F	G/T
DS-7408 BS-2	7628	42	18 ~ 20	85 ± 10
DS-7408 BS-4	2116	53	18 ~ 20	85 ± 11
DS-7408 BS-7	1080	64	18 ~ 20	85 ± 12

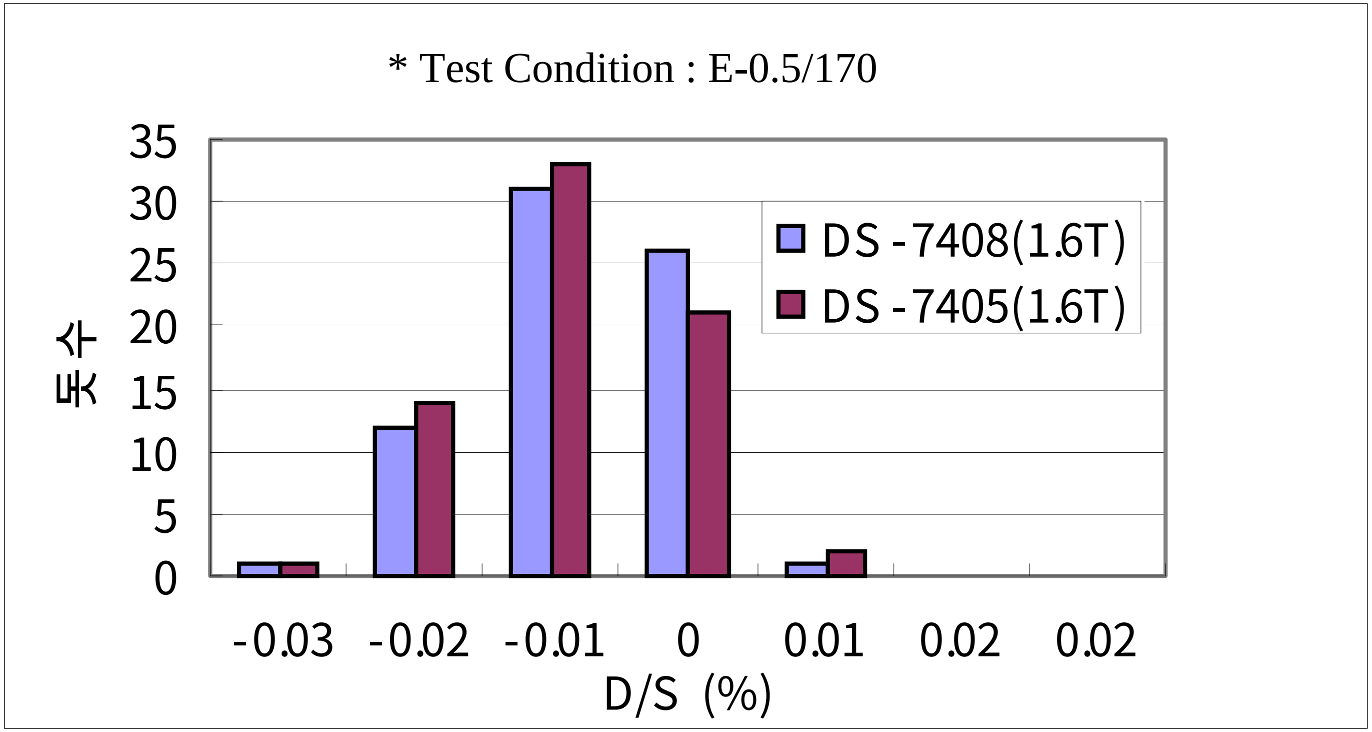
Glass Transiton Temp.(Tg)



Chemical Resistance



Dimensional Stability

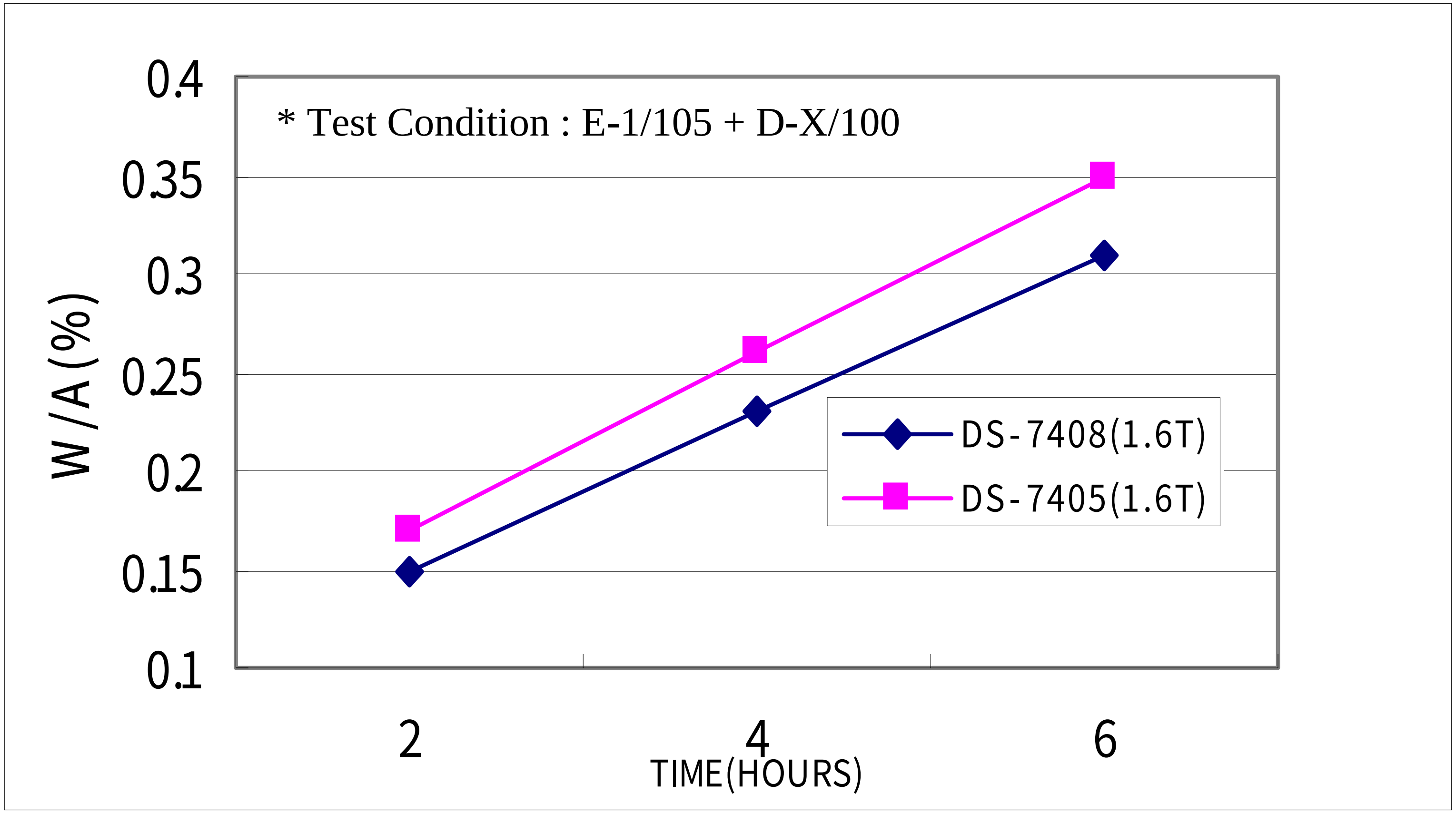


* Test Condition : E-0.5/170

Solder Resistance

처리 조건		MLB(1.6T)		RIGID(1.6T)	
		DS-7408	DS-7405	DS-7408	DS-7405
PCT	121°C/100% RH/1.5 HR + @288°C Solder Dip	Over 180 secs	Blister	Over 180 secs	Over 180 secs
	121°C/100% RH/3.0 HR +@288°C Solder Dip	Blister	-	Over 180 secs	Blister
Boiling Water	D-2/100 + 288°C Solder Dip	Over 180 secs	Over 180 secs	-	-
	D-4/100 + 288°C Solder Dip	Over 180 secs	Blister	-	-
	D-6/100 + 288°C Solder Dip	Over 180 secs	-	-	-

Water Absorption

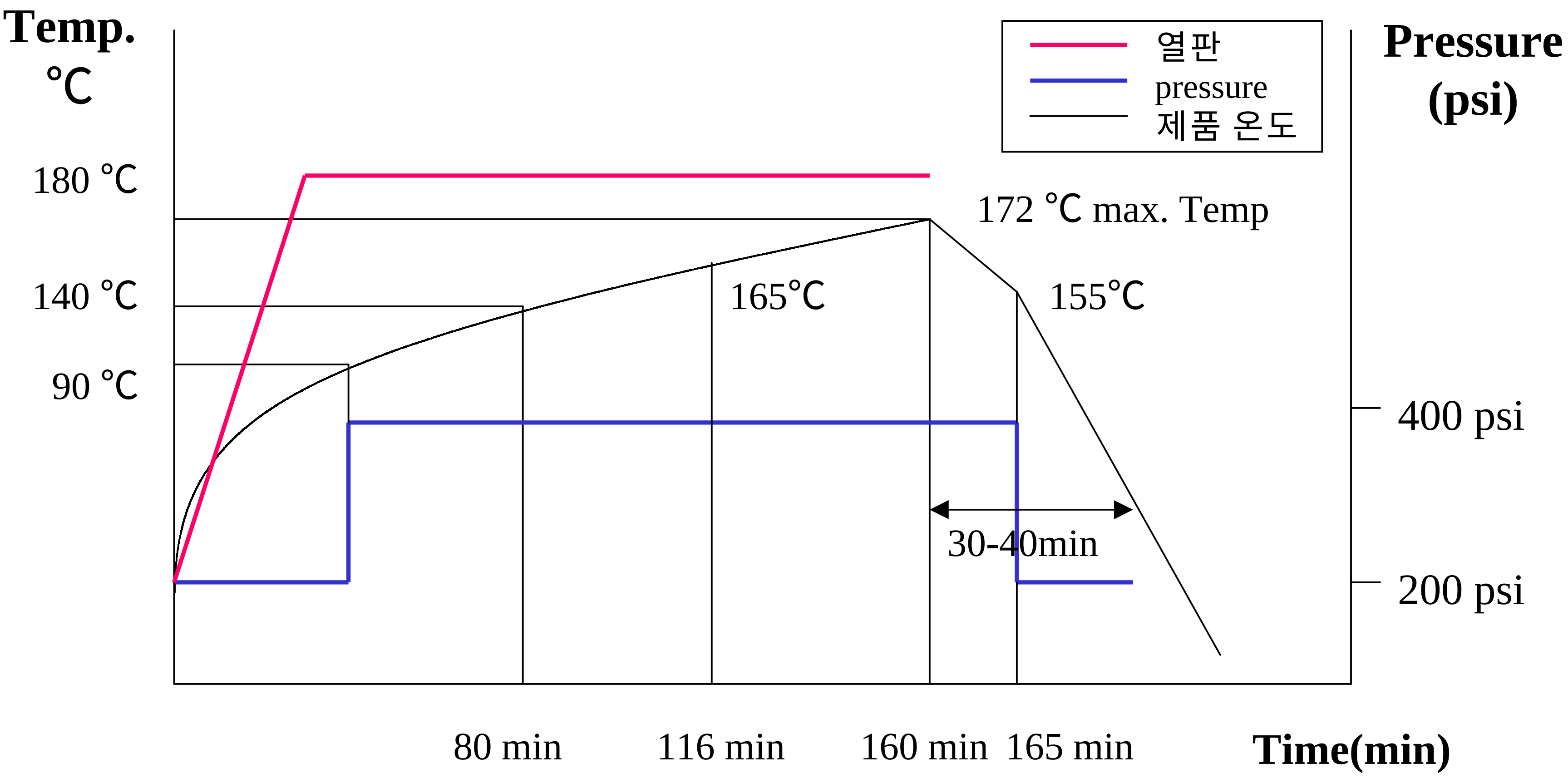


Properties

항목	처리 조건	DS-7408(1.6t)	DS-7405(1.6t)
Tg	DSC	145	139
	TMA	143	137
	DMA	180	167
열분해 온도	TGA	329	327
CTE(ppm)	α1	42	58
	α2	251	293
Z 팽창률	%, @250°C	3.1	3.8
D/S	%, E-0.5/170	-0.03 ~ 0.01	-0.03 ~ 0.01
Target변화율	%/489 mm, After Pressing	- 0.011 ~ -0.007	-0.011 ~ -0.007

항목	처리 조건	DS-7408(1.6t)	DS-7405(1.6t)
흡수율	E-1/105 + D-2/100	0.15	0.17
	E-1/105 + D-6/100	0.31	0.35
	E-1/105 + D-24/100	0.08	0.1
내약품성	%, CH_2Cl_2, D-0.5/23	0.59	0.9
	%, 5% H_2SO_4, D-0.5/23	0.04	0.06
절연저항	D-2/100	1.70E +13	1.80E + 13
	D-6/100	1.30E + 13	1.45E + 13
P.C.T. (MassLAM)	121°C/100% RH/1.0 HR + @288°C	No Blister	No Blister
	121°C/100% RH/1.0 HR + @288°C	No Blister	Blister
납내열성 (MassLAM)	@ 260°C	over 180 secs	over 180 secs
	D-4/100 + @288°C	No Blister	Blister
Peel Strength	외층, 35µm, kg/cm	1.7	1.86
	MASS LAM 내층, 35µm.kg/cm	0.36	1.69
난연성	UL 94	V-0	V-0
UV 차폐	-	자체 차폐 가능	OPTION
색상	-	YELLOW	NATURAL

Press Cycle


Temp.
℃
180 ℃
140 ℃
90 ℃
열판
pressure
제품 온도
Pressure
(psi)
172 ℃ max. Temp
165℃
155℃
400 psi
200 psi
30-40min
80 min
116 min
160 min
165 min
Time(min)