



High Clear AS RESIN

KIBISAN®

PN-107

高透明級AS

PN-107: 特性

- High transparenence.(90%, 1/4" inch)
高光線透過率
- High clear (close to PMMA)
高透明性(接近PMMA)
- Good chemical resistance
 - for the dishwasher detergent.
極佳耐化性
- Easy process
 - Not only the processing ability is better than PC and PMMA, but the mold's residual stress is little.

操作性佳,操作性優於PC與PMMA

PN-107:耐化性

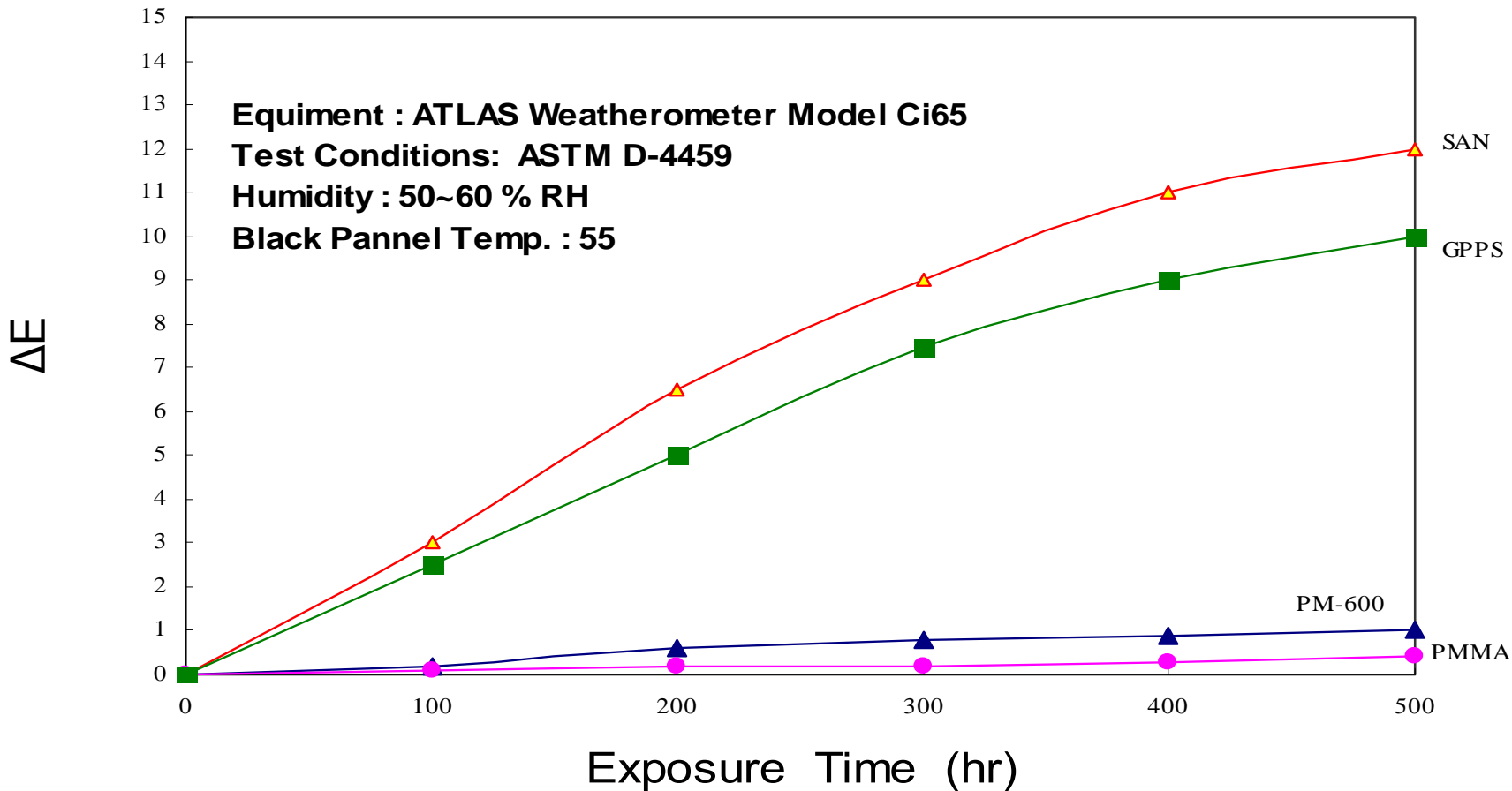
Reagent	PN-107 SAN	PA-758 MABS	PG-383 GPPS	CM-207 PMMA
30% Alcohol (30%酒精)	○	○	○	△
50% Alcohol (50%酒精)	○	X	△	X
Magiclean Detergent	X	X	X	X
Olive oil (橄欖油)	○	○	△	○
Dishwasher Detergent	○	△	○	△
Soda (蘇打水)	○	○	○	○
Acetic acid (醋酸)	△	X	X	X
Kerosene (煤油)	X	X	X	○

○ : not change △ : whiteness on surface, weight and capacity not change.

X : color changed、 expanded、 dissolved

Weather resistance(耐候性)

XENON ARC WEATHERING TEST OF PN-107



Don't recommend on out door use

PN-107:操作條件

- Pre-drying the resin for 3~4 hours at 75~80 °C.
預乾燥條件
- The barrel temperature is among 160~210 °C.
套筒條件
- The mold temperature is about 40~60 °C.
模具溫度
- Blending with other clear materials is not recommended, it will influence the properties and light transmission.
不建議混入其他透明材質

Application(應用)

- Toys(玩具)
- OA parts (OA用品)
- Food container (食品容器)
- Household appliance (雜貨)
- Kitchen/Bathroom Appliance
(廚房/浴室用品)
- Cosmetic (化妝品)

PN-107: Property(物性)

Typical Properties 物性	Test Method	Test Condition	Unit	SAN Resin PN-107
Tensile Strength 引張強度	ASTM D638	1/8", 6 mm/min	Kg/cm ² (lb/in ²)	620 (8.790)
Elongation 引張率	ASTM D638	1/8" 6mm/min	%	3
Izod Impact 耐衝擊度	ASTM D256 (Notched)	1/4", 23°C	Kg-cm/cm	1.7
Melt Flow Index 流動指數	ASTM D1238	200°C, 5Kg	g/10min	3.0
		230°C, 3.8Kg	g/10min	10.0
Vicat ST 軟化點	ASTM D1525	1/8", 50°C/hr Annealed	°C(°F)	104(219)
H.D.T 熱變形溫度	ASTM D-648	1/4", 120°C/hr Unannealed	°C(°F)	90(194)
Haze 濁度	ASTM D1003	1/8"	-	0.5
Light Transmission 透光率	ASTM D1003	1/4"	%	90

Certification(認證)

- FDA



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- EN-71 PART 3



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- Japanese Food and Sanitation

- RoHS(2002/95/EC) directive



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- MSDS



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