



台聚集團



台達化學

TAITA CHEMICAL COMPANY, LIMITED

- ABS/SAN樹脂 (ABS / SAN)
- 通用級聚苯乙烯樹脂 (GPPS)
- 耐衝擊聚苯乙烯樹脂 (HIPS)
- 發泡性聚苯乙烯 (EPS)



台達化學 ABS & SAN 樹脂產品 | TAITALAC® ABS & SAN Resin Product

ABS & SAN 物理性質 ABS & SAN Physical Properties				一般級 General						
性質 Properties	測試 方法 ASTM	單位 Units	試驗條件 Test Conditions	5000S	5000	5000W	5000M	1000	1000T	6000
流動指數 Melt Flow Index	D1238	g / 10 min	200°C, 5 kg load	2.1	2.0	1.8	1.8	1.6	1.5	1.2
	D1238	g / 10 min	220°C, 10 kg load	23	20	20	20	16	15	12
IZOD 衝擊強度 Izod Impact	D256	kg-cm/cm	A method, notched 1/8"(23°C)	17	20	21	22	25	27	30
抗張強度 Tensile Strength	D638	kg/cm ²	23°C, 1/8" 5mm/min Yield	480	430	450	450	400	410	370
	D638	kg/cm ²	23°C, 1/8" 5mm/min Break	380	370	380	380	350	360	310
伸張率 Tensile Elongation	D638	%	23°C Break	30	30	30	30	30	30	30
彎曲強度 Flexural Strength	D790	kg/cm ²	23°C, 2.8 mm/min	800	750	790	790	700	700	640
彎曲係數 Flexural Modulus	D790	kg/cm ²	23°C, 2.8 mm/min	30000	26000	27000	27000	24000	24000	22000
熱變形溫度 Heat Distortion Temperature	D648	°C	1/2 in, 18.56 kg/cm ² Unannealed	85	84	85	85	84	86	82
Vicat 軟化溫度 Vicat Softening Temperature	D1525	°C	1/8 in, 1 kg	104	98	103	103	97	103	101
比重 Specific Gravity	D792	---	23°C	1.04	1.04	1.04	1.04	1.03	1.03	1.03
洛氏硬度 Rockwell Hardness	D785	R-scale	---	119	115	115	115	110	110	107
燃燒性 Flammability	UL-94	---	File No E50263	HB	HB	HB	HB	HB	HB	HB
產品特性及應用 Characteristics and Application				高剛性 High Rigidity	中強度 Medium Impact			高強度 High Impact		

**The data listed represents average values that are believed to be reliable. They are given for information purposes only, with no guarantee of their accuracy. The product is sold without warranty, express or implied, upon the condition that purchasers shall make their own tests to determine the suitability of the product for their particular purposes.

**以上數據為實驗室測試結果，僅供參考用。

高流動 High Flow			電鍍級 Electroplating		押出級 Extrusion		耐燃級 Flame Retardant	通用級 SAN General Grade SAN	
5000I	5000F	6000P	1000D	1250	3000D	3000P	8540T	1200	1400 1400ZN001
3.2	5.5	4.5	1.8	2.0	1.0	0.8	5.0	3.2	2.8
35	45	40	18	21	10	9	45	---	---
19	18	34	25	24	45	47	20	1.8	1.9
430	400	380	430	390	390	360	380	700	710
370	350	330	380	340	360	330	300	690	700
35	30	30	30	30	40	50	20	5	5
700	750	600	720	690	600	580	600	1100	1100
22000	27000	21000	25000	25000	21000	20000	22000	34000	34000
84	84	85	86	85	86	86	77	90	91
102	98	101	103	100	103	103	94	103	104
1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.17	1.06	1.06
107	109	107	110	105	102	102	102	83	83
HB	HB	HB	HB	HB	HB	HB	1/16"V-0 1/8"5VA	HB	HB
高流動 中強度 High Flow Medium Impact		高流動 高強度 High Flow High Impact	高強度 電鍍用 High Impact Electroplating		超高強度 Super Impact		難燃性 高流動 Flame Retardant High-Flow	高透明 耐化學性 High Clarity Chemical Resistant	

國際認證 | International Compliance



International
Organization for
Standardization



台達化學 PS 樹脂產品 | TAITAREX® PS Resin Product

PS 物理性質 PS Physical Properties				通用級 GPPS							耐衝級 HIPS	
性質 Properties	測試 方法 ASTM	單位 Units	試驗條件 Test Conditions	808	818	818L	818K	866N 866B	861N 861B	861F	616	666
流動指數 Melt Flow Index	D1238	g / 10 min	200°C, 5 kg load	1.9	1.9	2.3	2.3	5.0	7.0	12.0	2.5	7.0
IZOD 衝擊強度 Izod Impact	D256	kg-cm/cm	A method, notched 1/4" (23°C)	1.6	1.5	1.5	1.5	1.4	1.4	1.3	9.0	8.0
抗張強度 Tensile Strength	D638	kg/cm ²	23°C, 1/8" Yield	560	540	540	540	450	450	440	260	270
伸張率 Tensile Elongation	D638	%	23°C, 1/8" Break	2.0	2.0	2.0	2.0	2.0	2.0	2.0	50	45
彎曲強度 Flexural Strength	D790	kg/cm ²	23°C, 2.8 mm/min	850	850	850	820	730	650	620	470	470
彎曲係數 Flexural Modulus	D790	kg/cm ²	23°C, 2.8 mm/min	39000	39000	39000	38000	36000	35000	32000	21000	22000
熱變形溫度 Heat Distortion Temperature	D648	°C	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	95	92	92	92	90	85	82	89	85
Vicat 軟化溫度 Vicat Softening Temperature	D1525	°C	1 kg load, 3 mm Thick (120°C / hr)	108	107	107	107	100	100	97	102	99
殘留苯乙烯單體 Residual SM Monomer	---	ppm	---	< 300	< 300	< 300	< 300	< 300	< 300	< 300	800	600
比重 Specific Gravity	D792	---	23°C	1.046	1.046	1.046	1.046	1.046	1.046	1.046	1.046	1.046
產品特性及應用 Characteristics and Application				擴散板	押板 製品	押板 製品	押板 製品	冰箱 抽屜	餐具、食品容器、 燈罩、衣架、 家用品		押出	射出
				Diffuser	BOPS	PSP	XPS	Fridge Drawer	Tableware, Food Container, Lighting, Hanger, Household Products		Extrusion	Injection

國際認證 | International Compliance



International
Organization for
Standardization



SONY®

台達化學 EPS 產品 | TAITACELL® EPS Product

EPS 物理性質 EPS Physical Properties			一般級 General Purpose	快速成型級 Fast-Molding	阻燃級 Flame Retardant	抗靜電級 Anti-Static
粒徑範圍 Bead Size Range (mm)		成型品密度 ASTM D792 (kg/m ³)	EPS 301	EPS 391	EPS 321 EPS 321N	EPS 351
			發泡倍率 Expandability			
MM	1.2 ~ 1.8	12 ~ 25	80 ~ 95	70 ~ 85	80 ~ 95	80 ~ 95
T	1.0 ~ 1.4	15 ~ 30	70 ~ 85	65 ~ 80	70 ~ 85	70 ~ 85
S	0.8 ~ 1.1	15 ~ 30	65 ~ 80	60 ~ 75	65 ~ 80	65 ~ 80
SS	0.65 ~ 0.9	15 ~ 30	65 ~ 80	60 ~ 75	65 ~ 80	65 ~ 80
F	0.45 ~ 0.75	17 ~ 35	55 ~ 70	50 ~ 65	55 ~ 70	55 ~ 70
H	0.3 ~ 0.5	19 ~ 50	20 ~ 50	---	---	---
產品特性及應用 Characteristics and Application			板材、魚箱、 蔬果箱 Block Molding, Fish, Fruit and Vegetable Boxes	電子及家電產品包材 Packaging for Electronics and Household Electrical	建築保溫材 Construction Materials	電子產品抗靜電包材 Anti-Static Packaging for Electronics and Electrical Appliances

國際認證 | International Compliance



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ABOUT US | 關於我們



台達化工成立於西元1960年，採用世界著名的東麗製程生產高品質丙烯腈-丁二烯-苯乙烯樹脂 (ABS)，並且是台灣第一家生產聚苯乙烯樹脂 (PS)、發泡聚苯乙烯 (EPS) 的製造商。在台灣業界是領先的品牌，在全球亦擁有石化先驅的美譽。台達化工是台灣大型石化業－「台聚集團 (USIG)」的成員之一，以集團現有的資源加上超過60年的生產經驗，提供市場ABS/PS/EPS/玻璃棉等產品，並提供最佳的服務品質滿足客戶的需求。台達化工有高度環保意識積極參與環保相關的認證現已通過的認證有ISO9001、ISO14001、ISO 45001及Sony Green Partnership等。

Established in 1960, Taita Chemical adopts the world-renown TORAY process from Japan producing high-quality and versatile copolymer of Acrylonitrile-Butadiene-Styrene (ABS) and was the first to produce Polystyrene (PS)、Expandable Polystyrene (EPS) in Taiwan. As one of the top producers of styrenics in Taiwan, Taita Chemical Company, Limited holds a global reputation as a pioneer in the field.

Taita Chemical is a part of a large petrochemical group called USI Group, extending its logistical efficiency and resources. With over 60 years of experience, Taita Chemical's product line now includes ABS、PS、EPS and Glass Wool with excellent customer service. Furthermore, Taita Chemical's environmentally conscientious plants have been granted ISO 9001, ISO 14001, ISO 45001, and Sony Green Partner certification.



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