

TAITA CHEMICAL COMPANY, LTD 台達化學工業股份有限公司

台達化工

ABS
TAITALAC®

ACRYLONITRILE-BUTADIENE-STYRENE

丙烯腈、丁二烯、苯乙烯共聚樹脂



TAITALAC® ABS | 丙烯腈、丁二烯、苯乙烯共聚樹脂

ABS is a copolymer of acrylonitrile, butadiene, and styrene. This common thermoplastic polymer combines the chemical resistance and hardness of acrylonitrile, the toughness and impact strength of butadiene, and the gloss and processability of styrene. Adopting the world-renown TORAY process from Japan, Taita Chemical boasts a high-quality, versatile product widely used in the automotive, technology, and fashion industries. Striving for innovation and improvement, Taita Chemical actively modifies and develops new product grades for customers' unique requirements.

CHARACTERISTICS

1. Good processability
2. Good dimensional stability
3. High gloss
4. Consistent high-quality
5. Good adhesion for paint & metal plating
6. Customizable pre-coloring

APPLICATIONS

Auto parts, shoe heels, electrical appliances, toys, business machines, luggage cases, attaché cases

ABS樹脂是由丙烯腈、丁二烯和苯乙烯聚合而成的共聚物，其特性結合了丙烯腈的耐化學性與硬度、丁二烯的韌性與衝擊強度，以及苯乙烯的光澤與加工性能。台達化學工業採用世界著名的日本東麗製程，產品具有多功能性，可廣泛應用於汽車、科技和時尚產業。台達化工亦致力於產品的改善與新產品等級的研製，以滿足客戶特殊的需求。

特性

1. 良好加工性
2. 尺寸定性佳
3. 高光澤
4. 品質穩定性佳
5. 電鍍及噴漆性佳
6. 可提供配色與染色服務

應用

汽機車零件、鞋跟、電子產品、玩具、事務機器、旅行箱、公文箱

INTERNATIONAL COMPLIANCE | 國際認證



Flammability Rate 94HB
1/16" V-O; 1/8" 5VA (ABS 8540T)
File No. E50263



CFR Title 21, pt 181.32



International
Organization for
Standardization

ISO 9001, ISO 14001,
OHSAS 18001



RoHS directive
REACH

PHYSICAL PROPERTIES | 物理性質

有台達的日子更好



TYPE 種類	GRADE 等級	UNITS 單位	g/10min	g/10min	kg-cm/cm	kg-cm/cm	kg/cm²	kg/cm²	%	kg/cm²	kg/cm²	°C	°C		R-scale	CHARACTERISTICS 特性	APPLICATIONS 應用	
Super High Impact 超高耐衝擊	TAITALAC® 3000D		1.0	10	31	43	390	360	40	600	21000	86	101	1.03	102	 	• Excellent toughness • Good processability • Good for thermoforming • 超高耐衝擊強度 • 加工性佳 • 熱成型佳	Luggage cases, tool boxes, motorcycle parts, helmets, attaché cases, shoe heels, products for low temperature use, extruded sheet and profile 旅行箱、工具箱、機車零件、安全帽、公文箱、鞋跟、低溫用產品、壓出板及件
	TAITALAC® 3000		1.2	12	25	32	370	310	40	580	20000	85	100	1.03	100			
	TAITALAC® 3100		0.8	8.0	35	50	330	280	90	600	20000	85	102	1.03	100			
	TAITALAC® 3100M		0.6	7.0	26	37	390	320	40	600	21000	85	101	1.03	100			
High Impact 高耐衝擊	TAITALAC® 1000		1.8	18	21	25	400	350	30	700	24000	82	100	1.03	110	 	• Optimal balance of physical properties • High impact strength • Good flow • 平衡的物理特性 • 高耐衝擊 • 流動性佳	Computer/TV/telephone housing, office equipment, kitchen appliances, toys, furniture components, extruded film 電腦/電視機/電話機外殼、辦公室設備、廚房用具、玩具、家具組件、押製薄膜
	TAITALAC® 1000T		1.8	18	23	27	410	360	30	700	24000	86	103	1.03	110			
	TAITALAC® 6000		1.6	16	23	30	370	310	30	640	22000	82	99	1.03	107			
High Rigidity 高鋼性	TAITALAC® 5000		2.0	20	17	20	430	360	30	750	26000	83	103	1.04	115		• High rigidity • Cost effective • 高鋼性 • 良好經濟效益	Electronics housing, household appliances, clocks 電子產品、家庭用品、時鐘
	TAITALAC® 5000S		2.3	23	13	16	440	380	30	800	30000	83	104	1.04	119			
High-Flow 高流動性	TAITALAC® 1003		3.5	35	21	24	370	330	40	670	25000	84	98	1.02	107		• Outstanding processability • High productivity • High melt flow • 優異的加工性 • 高生產力 • 高流動性	Large or complex shaped products, air conditioners, TV housing, vacuum cleaners, various leisure goods, cash registers, floppy disk, and thin films 大型或形狀複雜的產品、冷氣機、電視機外殼、吸塵器、各式休閒用品、收銀機、磁片、適用肉薄之成型品
	TAITALAC® 5000F		6.0	45	14	18	400	350	30	750	27000	84	98	1.03	107			
Metal-Plating 電鍍	TAITALAC® 1250		2.0	21	21	24	390	330	30	690	25000	82	100	1.03	105		• Great adhesion to metal coatings • 與金屬層黏結力佳	Radiator grilles, various ornaments, trophies, electric appliances (handles, switches, knobs etc.) 汽車水箱柵、各種飾品、獎杯、電器用品(手把、開關、旋鈕等)
Flame Retardant 耐燃	TAITALAC® 8540T		5.0	45	17	20	380	300	20	600	22000	77	94	1.17	102		• Certified as 94V-0 flame classifications at 1/16" (1.59mm) • High melt flow • 通過1/16" 94V-0防火測試 • 具耐衝擊性和流動性	Business machines (computers, cash registers, floppy disk drivers, photo copiers), TV housing, telephone housing 商用機器(電腦、收銀機、軟碟機、影印機)電視機外殼、電話機外殼

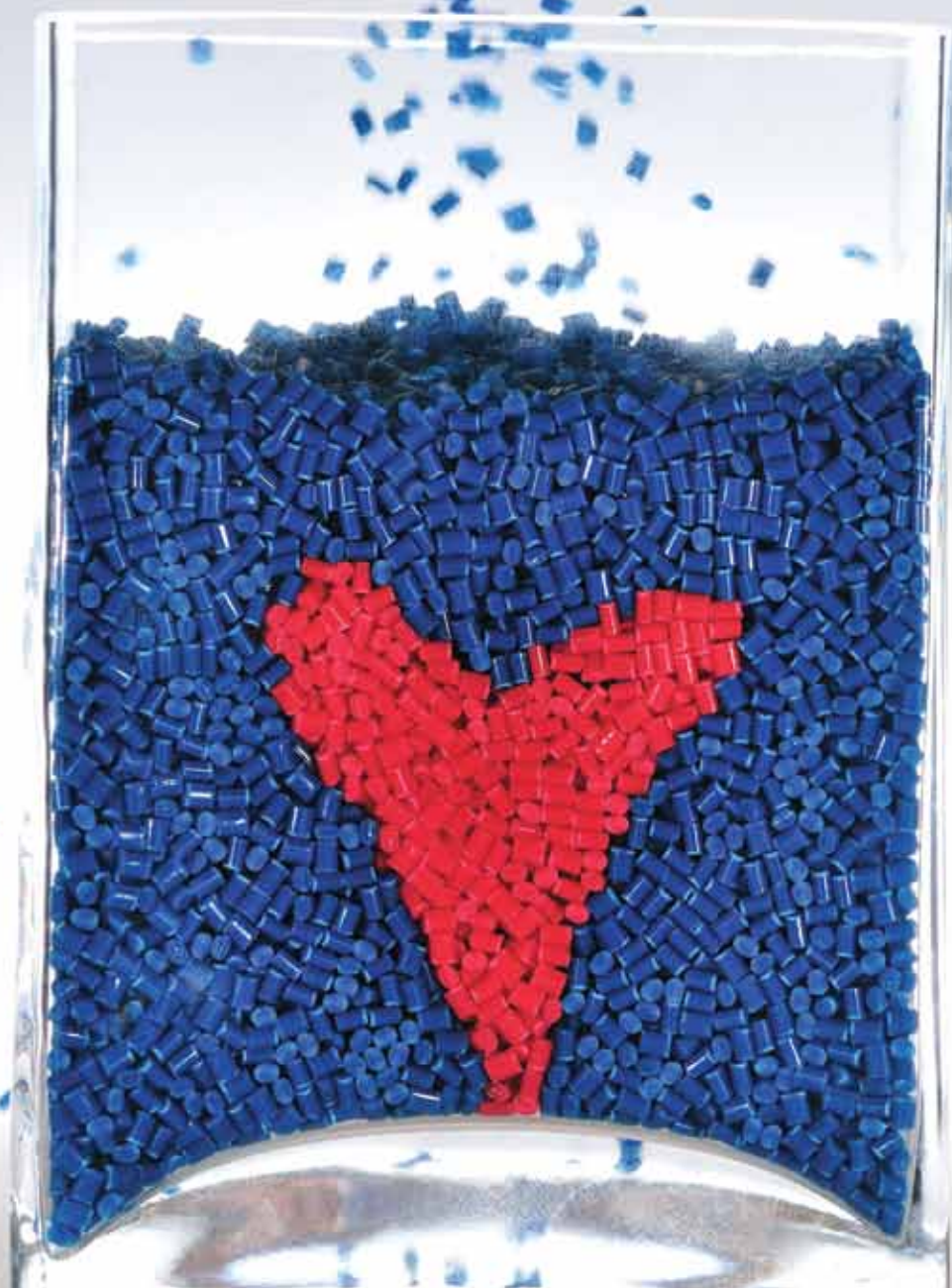
LIFE IS BETTER...

WITH TAITA

**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。





ABOUT US | 關於我們



As one of the top producers of styrenics in Taiwan, Taita Chemical Company, Limited holds a global reputation as a pioneer in the field. Established in 1960, Taita Chemical was the first to produce both Expandable Polystyrene and General Purpose Polystyrene in Taiwan. Taita Chemical Company is a part of a larger petrochemical group called USI Group, extending its logistical efficiency and resources. With over 50 years of experience, Taita Chemical boasts having not only one of the lowest styrene residual monomer ratios in the world (GPPS), but also a versatile product line and excellent customer service. Taita Chemical's product line now includes Acrylonitrile-Butadiene-Styrene (ABS), General Purpose Polystyrene (GPPS), High Impact Polystyrene (HIPS), and Expandable Polystyrene (EPS), as well as Glass Wool and Cubic Printing. Furthermore, Taita's environmentally conscientious plant has been granted ISO 9001, ISO 14001, OHSAS 18001, and Sony Green Partner certification.

台達化工成立於西元1960年，是台灣第一家生產發泡聚苯乙烯、聚苯乙烯樹脂的製造商，在業界是領先的品牌，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 (USI)」的成員之一，以集團現有的資源加上超過50年的生產經驗，除提供市場多樣化的產品外，並以最佳的服務品質滿足客戶的需求。台達化工除生產ABS/GPS/IPS/EPS外並跨足玻璃棉及曲面印刷加工等產業。台達化工通過的認證有ISO 9001, ISO 14001, OHSAS 18001及Sony Green Partnership等。

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