

台化ABS樹脂產品 TAIRILAC ABS Resin

台化ABS廠 1996年榮獲 ISO 14001 認證

Certificate No. T972001

台化聚苯乙烯-丁二烯-丙烯腈塑膠粒物性彙總表

台化ABS廠 1996年 10月榮獲 ISO 9002 認證

TAIRILAC ABS resin consolidated property data sheet

Certificate No. 950330

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	一般級 General Purpose				高光澤一般級 High Gloss General Purpose				耐熱級 Heat Resistant Grade	
				AG1000	AG12A0	AG15A0	AG15E0	AG10A1	AG12A1	AG15A1	AG15E1	AX4200	AXT040
抗張強度 Tensile Strength	psi (MPa)	ASTM D-638 (ISO 527)	23 °C	5500 (38)	6800 (47)	7300 (50)	7500 (52)	5500 (38)	6400 (44)	7200 (50)	7500 (52)	7500 (52)	6500 (45)
彎曲強度 Flexural Strength	psi (MPa)	ASTM D-790 (ISO 178)	23 °C	8200 (57)	10700 (74)	12000 (83)	12400 (85)	8200 (57)	10700 (74)	12100 (83)	12400 (85)	11100 (76)	11100 (76)
彎曲模數 Flexural Modulus	psi (MPa)	ASTM D-790 (ISO 178)	23 °C	276900 (1910)	355000 (2450)	383400 (2650)	397600 (2750)	255600 (1770)	355000 (2450)	383400 (2650)	397600 (2750)	383400 (2650)	326600 (2260)
洛式硬度 Rockwell Hardness		ASTM D-785 (ISO 2039/2)	23 °C	R-95	R-106	R-110	R-110	R-90	R-105	R-110	R-110	R-109	R-104
Izod 衝擊強度 Izod Impact Strength	lb-ft/in (J/m)	ASTM D-256 (ISO R180)	23 °C 1/4" 厚	7.3 (392)	5.5 (294)	3.6 (196)	2.5 (137)	6.4 (343)	5.5 (294)	3.6 (196)	2.5 (137)	2.7 (147)	1.8 (98)
衛氏軟化點 Vicat Softening Point	°F (°C)	ASTM D-1525 (ISO 306)	1 Kg load	214 (101)	217 (103)	219 (104)	217 (103)	216 (102)	217 (103)	219 (104)	217 (103)	244 (118)	259 (126)
熱變形溫度 Heat Deflection Temperature	°F (°C)	ASTM D-648 (ISO 75/A) 1/2" 厚	Unannealed	187 (86)	190 (88)	192 (89)	190 (88)	189 (87)	190 (88)	192 (89)	190 (88)	217 (103)	232 (111)
			Annealed (85°C × 8hr)	208 (98)	212 (100)	214 (101)	212 (100)	210 (99)	212 (100)	214 (101)	212 (100)	235 (113)	248 (120)
熔融指數 Melt Flow Index	g/10 min.	ASTM D-1238 (ISO 1113)	200 °C *5kgf(49N)	0.4	1.6	1.7	1.9	0.4	1.5	1.7	1.8	-	-
			220 °C *10kgf(98N)	10	17	19	21	9	15	19	20	2	3
比重 Specific Gravity		ASTM D-792 (ISO 1183)	23°C/23°C	1.03	1.04	1.05	1.05	1.03	1.04	1.05	1.05	1.05	1.05
燃燒性 Flammability		UL-94	FILE NO. E162823	1/6"HB All Color	1/6"HB All Color	1/6"HB All Color	1/6"HB All Color	1/6"HB All Color	1/6"HB All Color	1/6"HB All Color	1/6"HB All Color		
特性 Characteristics				超高耐衝擊性 Super High Impact	高耐衝擊性一般成形 High Impact Injection Grade	高剛性一般成形 High Rigid Injection Grade	高光澤性高剛性 High Gloss High Rigid	高光澤性超高耐衝擊性 High Gloss Super High Impact	高光澤性高耐衝擊性 High Gloss High Impact	高光澤性高剛性 High Gloss High Rigid	高光澤性高剛性 High Gloss High Rigid	耐熱性 High Heat Resistant	
用途 Application				盔帽 鞋跟 管配件 低溫用品 Helmets Shoe heels Pipe fittings Products of low-temp. usage	鞋跟 玩具 時鐘外殼 音響外殼 手提箱 板狀製品 冰箱內殼 Toys Shoe heels Clock housing Stereo housing Suitcase Refrigerator liner	鞋跟 玩具 時鐘外殼 音響外殼 手提箱 Toys Shoe heels Clock housing Stereo housing Suitcase	同 AG1000 Same as AG1000	同 AG12A0 Same as AG12A0	同 AG15A0 Same as AG15A0	汽車零件 電器用品 吹風機 電視外殼 Parts of cars Electrical appliances Dryer TV housing			

以上數值係參考 ASTM, ISO 試驗方法所測得之一般值, 僅供選擇用途品級之參考而非銷售之保證值。

All tests were run under laboratory conditions, ASTM, ISO (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of these products must be guided by the user's own methods for selection of the proper formulation. Typical property values are not to be construed as sales specifications.