



台麗丙 PP 樹脂

Tairipro polypropylene resin

台湾化學纖維股份有限公司
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 塑膠事業部 (ABS/PS/PP 製造部門)
 (DIVISION OF PRODUCING ABS/PS/PP RESINS)
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 MAI-LIAO, PP PLANT: FORMOSA INDUSTRIAL PARK, SAN-SHEN VILLAGE, MAI-LIAO HSIANG, YUNLIN HSIEN, TAIWAN.



耐衝擊共聚物 Impact Copolymer											
射出級 Injection Molding											
K8009	K8025	K8050	K8065	K9010	K9017	K7009AH	K3004	K3009AN	K3009AU	KP03B	K3029
9	28	50	65	9	17	9	4	10	10	30	32
230	230	240	240	220	210	260	240	280	275	260	210
>200	>200	>100	>100	>200	>200	>200	>200	>200	>200	>100	>100
11,000	11,000	12,500	12,500	10,000	9000	13,000	10,500	14,000	12,500	14,500	10,000
80	80	85	85	78	76	94	85	97	96	95	75
NB	12.5	10	9	NB	NB	15	NB	11	12	8	15
7.4	6.2	5.0	4.8	8.5	8.3	5.0	8.8	4.6	4.6	3.7	7.0
110	110	115	115	110	98	120	108	128	120	115	108
1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8
0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Yes HB	Yes HB	Yes HB	Yes —	Yes HB	Yes HB	Yes HB	— —	— HB	— HB	— HB	— HB
高耐衝擊、流動性佳 High impact strength, Good fluidity	高流動性、耐衝擊佳 High fluidity, High impact strength	高流動性、耐衝擊佳、高剛性、低翹曲、抗靜電 High fluidity, High impact strength, High stiffness, Low warpage Anti-static	高流動性、耐衝擊佳、高剛性、低翹曲、抗靜電 High fluidity, High impact strength, High stiffness, Low warpage Anti-static	高耐衝擊、流動性佳 High impact strength, Good fluidity	高流動性、抗UV、高耐衝擊 High fluidity, Anti-UV, High impact strength	長期耐熱性佳、高剛性、耐衝擊性佳 Long term heat resistance, High stiffness, Good impact strength	高耐衝擊性、抗UV添加 Excellent impact strength, Anti-UV added	高剛性、耐衝擊性佳 High stiffness, Good impact strength	耐衝擊性佳、抗UV添加 Good impact strength, Anti-UV added	高流動性、耐衝擊佳 High fluidity, Good impact strength	高流動性、耐衝擊佳 High fluidity, High impact strength
汽機車配件、電池盒、電器零件、辦公傢具 Auto-motive parts, Battery case, Electric appliances parts, Furniture	汽機車配件、洗衣機內槽、工具箱 Auto-motive parts, Washing machine parts, Tool boxes	洗衣機槽、大型整理箱、薄壁產品 Washing machine, Storage boxes, Thin wall products	保險桿、汽機車配件、載重容器、棧板 Bumper, Automotive parts, Heavy duty container, Pallet	電器零件、汽機車配件 Electric appliances parts, Auto-motive parts	機車配件、嬰兒車、運動器材 Motor-cycle parts, Baby car parts, Sports appliances	洗衣機配件、汽機車配件、辦公傢具 Washing machine parts, Auto-motive parts, Furniture	蓄電池盒、汽機車配件 Battery case, Auto-motive parts	汽機車配件、大型整理箱、薄壁產品 Auto-motive parts, Storage boxes, Thin wall products	保險桿、汽機車配件、薄壁產品 Bumper, Auto-motive parts, Thin wall products		洗衣機槽、家電產品 Washing machine cylinder, Appliances
											嬰兒車、油漆桶、運動器材、行李箱 Baby-car parts, Paint drum, Sports appliances Base of luggage

性質 Property	品級 Grade			耐衝擊共聚物 Impact Copolymer							
	單位	試驗方法	試驗條件	押出級 Extrusion		射出級 Injection Molding					
				B8001	T8002	K8802	K7005	K7005AX	K7025	K8003	
熔融指數 Melt Flow Index	g/10min	ASTM D-1238	230°C x 2.16kg	0.3	1.0	2.0	5	8	25	3	
降伏點抗張強度 Tensile Strength at Yield	kgf/cm ²	ASTM D-638	23°C	270	270	270	270	260	270	260	
斷裂點延伸率 Tensile Elongation at Break	%	ASTM D-638	23°C	>200	>200	>200	>200	>200	>200	>200	
彎曲模數 Flexural Modulus	kgf/cm ²	ASTM D-790A	23°C	11,000	11,000	11,000	14,000	13,500	14,000	11,000	
硬度 Hardness	R-Scale	ASTM D-785	23°C	80	80	80	93	90	93	80	
Izod 衝擊強度 23°C Impact Strength	kgf.cm/cm	ASTM D-256	23°C 1/8" bar	23°C -20°C	NB 11.0	NB 10.8	NB 10.0	NB 5.0	10 4.6	8 4.5	NB 9.5
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648	Unannealed 1/4" bar	105	105	105	120	120	120	110	
收縮率 Molding Shrinkage	%	FCFC Method	23°C	1.5~1.9	1.5~1.9	1.5~1.9	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	
比重 Specific Gravity		ASTM D-792	23°C /23°C	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
FDA Compliance				Yes	Yes	Yes	Yes	Yes	Yes	Yes	
UL 94 (File E162823)				—	—	HB	HB	HB	—	HB	
特性 Characteristics				衝擊性優、抗低溫脆化、光澤性佳 Excellent impact strength, Excellent resistance to low temp. Brittleness, Good luster		高耐衝擊、高剛性 High impact strength, High stiffness	耐衝擊性佳、高剛性 High stiffness, Good impact strength	高流動性、耐衝擊佳、高剛性 High fluidity, High impact strength, High stiffness	高耐衝擊、剛性佳 High impact strength, Good stiffness		
用途 Applications				PP管、真空成型板、吹製成型 PP pipe, thermo-forming sheet, blow molding	瓦楞板、吹瓶、真空成形板 Corrugated sheet, bottles, thermo-forming sheet	旅行箱配件 Suitcase parts	汽機車配件、辦公傢具、家電產品 Auto-motive parts, Furniture, Appliances	洗衣機槽、家電產品 Washing machine cylinder, Appliances			

台麗丙PP樹脂產品 Tairipro polypropylene resin年產能55萬噸，使用日本Chisso最新生產技術

Tairipro polypropylene resin is taibored by using Chisso's gas phase process, the advanced and renowned technologies.

性質 Property 單位 試驗方法 試驗條件 品級 Grade				單聚物 Homopolymer																				隨意共聚物 Random Copolymer								
				押出吹製級 Extrusion & Blow Molding				雙軸延伸 BOPP	薄膜級 Film	扁紗級 Flat Yarn			射出級 Injection Molding						纖維級 Multi-Filament				吹膜級 Blown Film	押出吹製級 Extrusion & Blow Molding	薄膜級 Film		射出級 Injection Molding					
				B1101	T1202	T1002	T2502	F2003	F2011	S1003	S1803	S1005	K1108	K1011	K1023	K1035	K1080	K1525	K2051	S1019	S1023	S1040	S2035	F1611	T3002	F4007	F4008	K4515	K4535	K4650	K4715	K4038
熔融指數 Melt Flow Index	g/10min	ASTM D-1238	230°Cx 2.16kg	0.5	1.6	1.7	1.8	3	7	3	2.3	5	10	15	25	38	80	25	50	23	23	34	34	10.5	1.6	7.5	7.5	18	35	50	18	38
降伏點抗張強度 Tensile Strength at Yield	kgf/cm ²	ASTM D-638	23°C	360	380	360	360	330	315	340	340	340	360	350	340	340	350	360	400	340	360	350	340	360	260	260	260	310	310	310	310	290
斷裂點延伸率 Tensile Elongation at Break	%	ASTM D-638	23°C	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>50	>50	>50	>50	>200	>200	>50	>50	>200	>200	>200	>200	>200	>200	>200	>200
彎曲模數 Flexural Modulus	kgf/cm ²	ASTM D-790A	23°C	14,500	18,000	15,000	15,500	12,500	13,000	14,000	14,000	14,000	15,000	14,500	14,000	14,000	14,000	18,000	20,000	14,000	15,000	15,000	13,500	15,000	8,500	8,500	8,500	11,500	11,500	11,500	11,500	11,000
硬度 Hardness	R-Scale	ASTM D-785	23°C	102	108	100	100	100	100	100	100	100	100	100	100	102	102	108	110	100	100	103	100	100	85	85	85	95	95	95	95	90
Izod 衝擊強度 23°C Impact Strength	kgf.cm/cm	ASTM D-256	23°C 1/8" bar	10	4.5	5.0	6.0	4.5	3.5	3.8	3.8	3.6	3.0	2.8	2.8	2.5	2.0	2.6	4.0	2.8	2.5	2.3	2.4	2.8	20	6.5	6.5	6.0	5.0	4.5	6.0	5.0
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648	Unannealed 1/4" bar	110	135	110	125	105	105	110	110	110	115	110	110	110	110	130	135	110	115	110	110	115	85	85	85	95	95	95	95	95
收縮率 Molding Shrinkage	%	FCFC Method	23°C	1.5~1.9	1.5~1.9	1.5~1.9	1.5~1.9	—	—	—	—	—	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8	—	—	—	—	—	—	—	—	—	—	—	—	—
比重 Specific Gravity		ASTM D-792	23°C/23°C	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
FDA Compliance				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UL 94 (File E162823)				—	—	HB	—	—	—	—	—	—	HB	HB	HB	HB	—	—	—	—	—	—	—	—	—	—	—	HB	HB	—	—	—
特性 Characteristics				熔融強度佳、真空成型性佳 Excellent melt strength, Deep drawing	高剛性、透明性佳、耐熱佳 High stiffness, Good transparency, Good heat resistance	拉力強度優 Excellent tensile strength	高剛性、透明性佳、耐熱佳 High stiffness, Good transparency, Good heat resistance	剛性佳、高透明性 Good stiffness, High transparency	中滑性、透明性佳 Middle slipping, Good transparency	延伸性佳 Good stretchability	抗UV、拉力強度優 UV, Excellent tensile strength	延伸性佳、加工性佳 Good stretch-ability, Good Process-ability	剛性佳、光澤性佳 Good stiffness, Good luster	高流動性、剛性佳、光澤性佳 High fluidity, Good stiffness, Good luster	超高流動性、剛性佳、光澤性佳 Super high fluidity, Good stiffness, Good luster	高流動性、高剛性、光澤性佳、透明性佳 High fluidity, High stiffness, Good luster, Good transparency	超高流動性、高剛性、光澤性佳、低翹曲 Super high fluidity, High stiffness, Good luster, Nucleating agent, Low warpage	CR級、柔軟性佳、抗氣體變色性佳 Controlled rheology, Good softness, Anti gas- fading	柔軟性佳、抗氣體變色性佳 Good softness, Anti gas- fading	CR級、高速紡絲性佳、抗氣體變色性佳 Controlled rheology, Compact spinning, Anti gas- fading	CR級、高速紡絲性佳、超柔軟不織布、抗氣體變色性佳 Controlled rheology, Compact spinning, Softness, Nonwoven, Anti gas- fading	高滑性、抗結塊佳 High slip, Anti-block	透明性佳、抗化學藥品性佳 Good transparency, Good resistance to chemical	透明性佳 Good transparency	高滑性、透明性佳 High slip, good transparency	高透明性、抗靜電、抗化學藥品性佳 High clarity, Anti-static, Good resistance to chemical	高流動性、高透明性、抗靜電、抗化學藥品性佳 High fluidity, High clarity, Anti-static, Good resistance to chemical	高流動性、高透明性、抗靜電 High fluidity, High clarity, Anti-static	超高透明、抗靜電、有添加及未添加螢光增白劑規格 Super high clarity, Anti-static, Have added and without added optical brightener grade	高流動性、透明性佳、抗靜電 High fluidity, Good transparency, Anti-static		
用途 Applications				真空成型板、PP管材、免洗餐盤、吹瓶成型 Thermo-forming sheet, PP pipe, tray, Blow molding	吹瓶成型 Blow molding	瓦楞板、打包帶、吹瓶 Corrugated sheet, Strapping, Bottles,	透明壓空成型板、文件夾、服裝包裝 Transparency pressure forming sheet, Portfolio, Bottles,	食品包裝、服裝包裝 Flexible & rigid packaging, Cigarette wraps, Housewares, Labels	CPP用料、食品包裝、膠帶、香煙包裝 CPP use, Flexible & rigid packaging	文件夾、扁紗：編織袋、地毯底部 單絲：繩索、刷子、網類 Portfolio, Yarn: Woven bags, Carpet backing, Ropes Monofilament: Brushes, Rope, Netting	文件夾、吸管 Portfolio, Straw	通用級、食品容器、電器用品、家庭用品 General purpose, Food containers, Electrical appliances, Housewares	薄壁射出成型品、家庭用品、玩具 Thin wall parts, House wares, Toys	保鮮盒、微波容器 Food containers, Microwave containers	薄壁射出成型品、微波容器、家庭用品、玩具 Thin wall parts, Microwave containers, House wares, Toys	短纖、複合棉、ES纖維及PP棉 Staple fiber composition fiber, ES fiber & PP staple fiber	短纖、濾布 Staple fiber composition fiber, Filter	不織布、細單尼短纖 Nonwoven, Fine denier staple fiber	不織布、細單尼短纖 Nonwoven, Fine denier staple fiber	一般包裝袋 Packaging in general	吹瓶、點滴瓶 Blow molding, IV bottle	CPP用料、食品包裝、服裝包裝 CPP use, Flexible & rigid packaging	高透明容器、透明家庭用品、一次性針筒 High transparency container, Transparency housewares, Disposable syringes	高透明容器、家庭用品 High transparency container, Housewares	超高透明容器、家庭用品 Super high transparency container, Housewares	透明容器、薄壁產品 Transparency container, Thin wall products						

以上數值係參考ASTM方法所測得，僅供選擇用途品級之參考，所有規格均符合RoHS規定

All tests were run under laboratory conditions, ASTM testing procedures. The data are intended as a general guide only. All grades RoHS approved.