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台灣化學纖維股份有限公司
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單聚物 Homopolymer

押出吹製級 Extrusion & Blow Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	B1101	T1202	T1002	T2502
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	0.5	1.6	1.7	1.8
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	7	4.5	5.0	6
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	360 (35)	380 (37)	360 (35)	360 (35)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23°C	14500 (1421)	18000 (1764)	15000 (1470)	15500 (1519)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	102	108	100	100
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	110	135	110	117
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5~1.9	1.5~1.9	1.5~1.9	1.5~1.9
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-	1.5-1.65mm HB All Color	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes	Yes
特性 Speciality				熔融強度優、 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
用途 Application				真空成型板、PP 管材、免洗餐盤、 吹瓶成型 Thermoforming sheet, PP pipe, Tray, Blow molding	透明壓空成型 板、吹瓶 Transparency pressure forming sheet, Bottles	瓦楞板、打包帶、 吹瓶 Corrugated sheet, Strapping, Bottles	透明壓空成型 板、文件夾、 吹瓶 Transparency pressure forming sheet, Portfolio, Bottles





單聚物 Homopolymer

雙軸延 BOPP

薄膜級 Film

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	F2003	F2011
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	3	7
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	4.5	3.5
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90
抗張強度 Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	330 (32)	315 (31)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200
彎曲模數 Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23°C	12500 (1225)	13000 (1274)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	100	100
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	105	105
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	-	-
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes
特性 Speciality				剛性佳、高透明性 Good Stiffness, High Transparency	中滑性、透明性佳 middle slipping, Good Transparency
用途 Application				食品包裝、服裝包裝袋、膠帶、香煙包裝 Flexible & Rigid Packaging, Cigarette Wraps, Housewares, Labels	CPP 用料，食品包裝、服裝包裝 CPP use, Flexible & Rigid Packaging



單聚物 Homopolymer

扁紗級 Flat Yarn

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	S1003	S1803	S1005
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	3	2.3	5
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C , 1/8" 厚 , Notched 23°C , 4mm 厚 , Notched	3.8	3.8	3.6
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C , 50mm/min	340 (33)	340 (33)	340 (33)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C , 50mm/min	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	14000 (1372)	14000 (1372)	14000 (1372)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	100	100	100
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚 , 120°C /h	110	110	110
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	-	-	-
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-	1.5mm HB 3.0mm HB All Color
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				延伸性佳 Good stretchability	抗 UV、拉力強度優 Anti-UV, Excellent tensile strength	延伸性佳、加工性佳 Good stretchability, Good processability
用途 Application				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





單聚物 Homopolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K1108	K1011	K1011AG	K1023
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	10	15	15	25
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	3.0	2.8	3.6	2.6
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	360 (35)	350 (34)	380 (37)	340 (33)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	15000 (1470)	14500 (1421)	16500 (1617)	14000 (1372)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	100	100	107	100
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	115	110	125	110
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB All Color	1.5mm HB All Color	1.5mm HB 3.0mm HB All Color	1.5mm HB 3.0mm HB All Color
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes	Yes
特性 Speciality				剛性佳、光澤性佳 Good stiffness, Good luster	剛性佳、光澤性佳 Good stiffness, Good luster	長期耐熱性佳、 高剛性、光澤性佳 Long term heat resistance, High stiffness, Good luster	高流動性、剛性佳、 光澤性佳 High fluidity, Good Stiffness, Good luster
用途 Application				通用級、食品容 器、電器用品、 家庭用品 General purpose, Foodcontainers, Electrical appliances, Housewares	通用級、食品容 器、電器用品、 家庭用品 General purpose, Foodcontainers, Electrical appliances, Housewares 通過美國藥典塑膠第 六級試驗 meets the requirements of USP Plastic Class VI	電器零件, RTI=125°C Electric appliance parts, RTI=125°C	薄壁射出成型品、 家庭用品、玩具 Thinner Wall Parts, House wares, Toys 通過美國藥典塑膠 第六級試驗 meets the requirements of USP Plastic Class VI





單聚物 Homopolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K1035	K1080	K1525	K2051
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	38	80	25	50
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	2.0	2.0	2.6	4.0
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	340 (33)	350 (34)	360 (35)	400 (39)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>50	>50	>50	>50
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	14000 (1372)	14000 (1372)	18000 (1764)	20000 (1960)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	102	102	108	110
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	110	110	125	135
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB All Color	-	1.5mm HB 3.0mm HB All Color	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes	Yes
特性 Speciality				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
用途 Application				薄壁射出成型 品、家庭用品、 玩具 Thinner Wall Parts, House wares, Toys	薄壁射出成型品、 家庭用品、玩具 Thinner 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 Thinner Wall Parts, Microwave containers, House wares, Toys





單聚物 Homopolymer

纖維級 Multi-filament

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	S1019	S1040	S2040
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	19	34	36
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	2.8	2.3	2.4
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	340 (33)	350 (34)	340 (33)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>50	>50
彎曲模數 Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23°C	14000 (1372)	15000 (1470)	13500 (1323)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	100	103	100
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	110	110	110
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	-	-	-
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				CR 級、 柔軟性佳、 抗氣體變色性佳 Controlled rheology, 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
用途 Application				短纖、複合棉、 ES 纖維及 PP 棉 Staple fiber, Composition fiber, ES fiber & PP staple fiber	不織布、細單尼短纖 Nonwoven, Fine Denier staple fiber	不織布、細單尼短纖 Ovnwoven, Fine Denier staple fiber



單聚物 Homopolymer

吹膜級 Blown Film

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	F1611
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	10.5
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	2.8
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90
抗張強度 Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	360 (35)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200
彎曲模數 Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23°C	15000 (1470)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	100
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	115
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	-
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-
FDA 21 CFR 177.1520 Compliance				Yes
特性 Speciality				高滑性、抗結塊性 High Slip, Anti-block
用途 Application				一般包裝袋 Packaging in general



隨意共聚物 Random copolymer

押出吹製級 Extrusion & Blow Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	T3002	T4002
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	1.6	1.6
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	8.0	8.0
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	260 (25)	260 (25)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	8500 (833)	8500 (833)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	85	85
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	85	85
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5~2.0	1.5~2.0
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes
特性 Speciality				透明性佳、抗化學藥品性 Good Transparency, Good resistance to chemical	透明性佳、抗化學藥品性 Good Transparency, Good resistance to chemical
用途 Application				吹瓶、符合 USP6 級認證 (例：點滴空瓶) Blow molding, USP Class VI approved (ex: Empty IV bottle)	吹瓶、押板 Blow molding, sheet



隨意共聚物 Random copolymer

薄膜級 Film

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	F4006	F4007	F4008
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	7.5	7.5	7.5
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	6.5	6.5	6.5
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	260 (25)	260 (25)	260 (25)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	8500 (833)	8500 (833)	8500 (833)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	85	85	85
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	85	85	85
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5~2.0	1.5~2.0	1.5~2.0
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				透明性佳 Good Transparency	透明性佳 Good Transparency	高滑性、透明性佳 High Slip, Good Transparency
用途 Application				抗白化性優 Excellent resistance to whiteness	吹瓶、符合 USP6 級認 證 (例：點滴空瓶) Blow molding, USP Class VI approved (ex:Empty IV bottle)	CPP 用料、食品包裝、 服裝包裝 CPP use, Flexible & Rigid Packaging





隨意共聚物 Random copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K4515	K4535	K4650
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	18	35	50
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	6.0	5.0	4.5
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	310 (30)	310 (30)	310 (30)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	11500 (1127)	11500 (1127)	11500 (1127)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	95	95	95
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	95	95	95
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5~2.0	1.5~2.0	1.5~2.0
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5-1.65mm HB All Color	1.5-1.65mm HB All Color	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				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
用途 Application				高透明容器、透明家庭用品、符合 USP6 級認證 (例：針筒筒身) High transparency container, Transparency housewares, USP Class VI approved(ex: Barrel of syringas)	高透明容器 & 家庭用品 High transparency container & housewares 通過美國藥典塑膠第六級試驗 meets the requirements of USP Plastic Class VI	





隨意共聚物 Random copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K4715	K4750	K4038
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	18	50	38
Ilzod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched 23°C, 4mm 厚, Notched	6.0	4.5	5.0
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	310 (30)	310 (30)	290 (28)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	11500 (1127)	11500 (1127)	11000 (1078)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	95	95	90
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	95	95	95
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5~2.0	1.5~2.0	1.5~2.0
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB 3.0mm HB All Color	1.5mm HB 3.0mm HB All Color	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				超高透明、抗靜電 Super High Clarity, Anti-static	超高透明、抗靜電 Super High Clarity, Anti-static	高流動性、抗靜電、 透明性佳 High fluidity, Anti-static, Good Transparency
用途 Application				超高透明容器 & 家庭用品 Super high transparency container& housewares 通過美國藥典塑膠第 六級試驗 meets the requirements of USP Plastic Class VI	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



耐衝擊共聚物 Impact Copolymer

押出級 Extrusion

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	B8001	T8002
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	0.3	1.0
Izod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched	80	75
			-20°C, 4mm 厚, Notched	11	10.8
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	270 (26)	270 (26)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	11000 (1178)	11000 (1078)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	80	80
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	105	105
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5-1.9	1.5~1.9
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes
特性 Speciality				高耐衝擊、抗低溫脆化、光澤性佳 Hight impact strength, Excellent resistance to low temp., Brittleness, Good luster	
用途 Application				PP 管、真空成型板、吹製成型 PP Pipe, Thermo-forming sheet, Blow molding	瓦楞板、吹瓶、真空成型板 Corrugated sheet, Bottles, Thermo-forming sheet



耐衝擊共聚物 Impact Copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K8802	K7005AN	K7005AG
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	2.0	5	5
Izod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched	70	40	40
			-20°C, 4mm 厚, Notched	10.0	5.0	5.0
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	270 (26)	270 (26)	270 (26)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	11000 (1078)	14000 (1372)	14000 (1372)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	80	93	93
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	105	120	120
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.5~1.9	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB 3.0mm HB All Color	1.5mm HB All Color	1.5mm HB All Color
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				高耐衝擊、抗低溫脆化、 光澤性佳 Hight impact strength, Excellent resistance to low temp., Brittleness, Good luster	高耐衝擊、高剛性 Hight impact strength, High Stiffness	高耐衝擊、高剛性、 光穩定性佳 Hight impact strength, High Stiffness, Good light stability
用途 Application				旅行箱配件 Suitcase Parts	汽機車配件、辦公傢俱、 家電產品 Automotive parts, Furnit ure,Appliances	汽機車配件、辦公傢俱、 家電產品、棧板、周轉 箱 Automotive parts, Furniture, Appliances, Pallet, Crate containers





耐衝擊共聚物 Impact Copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K7025	K8003	K8003AN
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	27	3	4
Izod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched	8.0	60	60
			-20°C, 4mm 厚, Notched	4.5	9.5	9.0
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	270 (26)	260 (25)	260 (25)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	14000 (1372)	11000 (1078)	12000 (1176)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	93	80	83
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	120	110	115
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.4~1.8	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB 3.0mm HB All Color	1.5mm HB All Color	1.5mm HB All Color
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes
特性 Speciality				高流動性、耐衝擊佳、 高剛性 High fluidity, Good impact strength, High Stiffness	高耐衝擊、剛性佳 Hight impact strength, Good Stiffness	高耐衝擊性、高剛性、 抗靜電優 Excellent impact strength, High stiffness, Excellent anti-static
用途 Application				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 appliance, Base of luggage	油漆桶、運動器材、 行李箱 Paint drum, Sports appliance, Base of luggage





耐衝擊共聚物 Impact Copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K8009	K8025	K8050	K8065
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	9	28	50	65
Izod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched	40	12.5	10	9.0
			-20°C, 4mm 厚, Notched	7.4	6.2	5.0	4.8
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	230 (22)	230 (22)	240 (23)	240 (23)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>100	>100
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	11000 (1078)	11000 (1078)	12500 (1225)	12500 (1225)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	80	80	85	85
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	110	110	115	115
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB All Color	1.5mm HB All Color	1.5-1.65mm HB All Color	-
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes	Yes
特性 Speciality				高耐衝擊、 流動性佳 Hight impact strength, Good fluidity	高流動性、 耐衝擊性佳 High fluidity, Good impact strength	高流動性、 耐衝擊性佳、 高剛性、低翹曲 High fluidity, Good impact strength, High Stiffness, Low warpage	高流動性、 耐衝擊性佳、 高剛性、低翹曲、 抗靜電 High fluidity, Good impact strength, High Stiffness, Low warpage, Anti-static
用途 Application				汽機車配件、 電池盒、電器零 件、辦公傢俱 Automotive parts, Battery case, Electric appliance parts, Furniture	汽機車配件、 洗衣機內槽、 工具箱 Automotive 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	





耐衝擊共聚物 Impact Copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K8095	K9010	K9017	K7009
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	95	9	17	9
Izod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched	7.0	50	45	11
			-20°C, 4mm 厚, Notched	4.5	8.5	8.3	4.6
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	210 (21)	220 (22)	210 (21)	260 (25)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>50	>200	>200	>200
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	10000 (980)	10000 (980)	9000 (882)	13500 (1323)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	78	78	76	94
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	108	110	98	120
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	-	1.5mm HB 3.0mm HB All Color	1.5mm HB 3.0mm HB All Color	1.5mm HB 3.0mm HB All Color
FDA 21 CFR 177.1520 Compliance				Yes	Yes	Yes	Yes
特性 Speciality				高流動性、耐衝擊 性佳、剛性佳 High fluidity, Good impact strength, Good Stiffness	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	高剛性、 耐衝擊性佳 High stiffness, Good impact strength
用途 Application				汽機車配件 Automotive parts	汽機車配件 Automotive parts	汽機車配件 Automotive parts	汽機車配件、 辦公傢俱、 家電產品 Automotive parts, Furniture, Appliances





耐衝擊共聚物 Impact Copolymer

射出級 Injection Molding

項目 Property	單位 Unit	試驗方法 Test Method	試驗條件 Test Condition	K7009AH	K9030	KP03B	K3029
熔融指數 Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	230°C × 2.16kg	9	32	30	32
Izod 衝擊強度 Izod Impact Strength	kg-cm/cm	ASTM D-256	23°C, 1/8" 厚, Notched	11	50	5.0	15
			-20°C, 4mm 厚, Notched	4.6	8.0	3.7	7.0
比重 Specific Gravity	-	ASTM D-792 (ISO 1183)	23°C /23°C	0.90	0.90	0.90	0.90
抗張強度 Tensile Strength	kg/cm² (MPa)	ASTM D-638 (ISO 527)	23°C, 50mm/min	260 (25)	200 (20)	260 (25)	210 (21)
斷裂點延伸率 Tensile Elongation at break	%	ASTM D-638 (ISO 527)	23°C, 50mm/min	>200	>200	>100	>100
彎曲模數 Flexural Modulus	kg/cm² (MPa)	ASTM D-790 (ISO 178)	23°C	13500 (1323)	8500 (833)	13500 (1323)	10000 (980)
洛氏硬度 Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23°C	94	66	94	75
熱變形溫度 Heat Deflection Temperature	°C	ASTM D-648 (ISO 75)	Unannealed, 0.455Mpa 1/4" 厚, 120°C /h	120	100	115	108
收縮率 Molding Shrinkage	%	ASTM D-955 (ISO 2577)	23 °C	1.4~1.8	1.4~1.8	1.4~1.8	1.4~1.8
燃燒性 Flammability	-	UL-94	FILE NO. E162823	1.5mm HB 3.0mm HB All Color	-	1.5mm HB 3.0mm HB All Color	1.5mm HB 3.0mm HB All Color
FDA 21 CFR 177.1520 Compliance				Yes			
特性 Speciality				長期耐熱性佳、 高剛性、 耐衝擊性佳 Long term heat resistance, High stiffness, Good impact strength	高流動性、 高耐衝擊 High fluidity, High impact strength	高流動性、 耐衝擊性佳 High fluidity, Good impact strength	高流動性、 高耐衝擊 High fluidity, Hight impact strength
用途 Application				電器零件, 汽機車配 件, RTI=125°C Electric appliance parts, Automotive parts, RTI=125°C	保險桿、汽車配 件、薄壁產品 Bumper, Automotive parts, Thin wall products	汽車配件、大型整 理箱、薄壁產品 Automotive Parts, Storage boxes, Thin wall products	保險桿、 汽車配件、 薄壁產品 Bumper, Automotive parts, Thin wall products





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