

牌号数据对比表



制造商			奇美	奇美
商品名			POLYLAC®	POLYLAC®
种类			ABS	MABS
牌号			PA-765A	PA-758
Product information			Value	Value
Color				TP
Material Shape			Pellets	Pellets
Process			Injection molding	Injection molding
FR			V-1 V-0 5VB 5VA	HB
Material Attribute			Halogen Injection grade	Injection grade Transparent ABS
specification			• RoHS • UL	• RoHS • UL
Features			• High flow	• High flow • Rapid moldability • Good moldability
Application			• Automotive parts • Office Applications • Charger housing • Display housing • E & E housing • Instrument housing • Power outlets • Home Appliances Applications • Home Appliances housing • Compacting equipment • Medical device parts • Motorcycle parts	• Office Applications • E & E housing • Home Appliances housing • Washing machine housing • Industrial Applications • Kitchen Appliances Applications • Pen housing • Stationery • Vacuum cleaner housing • Thin wall products • Wearable products
Additives			Halogen Flame Retardant Agent Lubricant Mold Releases	
UL File NO.			E56070	E56070
Physical property		Standard	Unit	Value
Density 23°C		ASTM D792	g/cm³	1.17
Density 23°C		ISO 1183	g/cm³	1.17
Shrinkage		ISO 294	%	0.3~0.6
Melt Index 200°C 5kg		ASTM D1238	g/10min	4.6
Melt Index 200°C 5kg		ISO 1133	cm³/10min	3.0
Melt Index 220°C 10kg		ISO 1133	cm³/10min	48
Hardness		Standard	Unit	Value
Rockwell Hardness R(Scale)		ASTM D785		101
Mechanical behavior		Standard	Unit	Value
Tensile Strength Break 50mm/min		ISO 527	MPa	29
Tensile Strength Yield 6mm/min		ASTM D638	MPa	39.10
Tensile Strength Yield 50mm/min		ISO 527	MPa	39
Elongation 6mm/min		ASTM D638	%	20
Elongation 50mm/min		ISO 527	%	10
Flexural Strength 2.0mm/min		ISO 178	MPa	56
Flexural Strength 2.8mm/min		ASTM D790	MPa	62.55
Flexural Modulus 2.0mm/min		ISO 178	MPa	1800
Flexural Modulus 2.8mm/min		ASTM D790	MPa	2206.89
Izod Notch Impact 23°C		ISO 180	kJ/m²	22
Izod Notch Impact 23°C 3.2mm		ASTM D256	kJ/m²	23.97
Izod Notch Impact 23°C 6.4mm		ASTM D256	kJ/m²	20.16
Izod Notch Impact -30°C		ISO 180	kJ/m²	10
Charpy Notch Impact 23°C		ISO 179	kJ/m²	23
Charpy Notch Impact -30°C		ISO 179	kJ/m²	10
Thermal		Standard	Unit	Value
HDT Annealed 1.8MPa		ASTM D648	°C	85
HDT Annealed 1.8MPa		ISO 75	°C	84
HDT Unannealed 1.8MPa		ASTM D648	°C	76
HDT Unannealed 1.8MPa		ISO 75	°C	76
Vicat Softening Temperature 50°C/h r 10N		ASTM D1525	°C	92.22
Vicat Softening Temperature 50°C/h r 10N		ISO 306	°C	93
Vicat Softening Temperature 50°C/h r 50N		ISO 306	°C	79
CLE		ISO 11359	cm/cm/°C	8.48E-5

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Flammability			Value	Value
Flame Rating	All Color 1.5mm	UL94	V-1	HB
Flame Rating	All Color 2.1mm	UL94	V-0 5VB	
Flame Rating	All Color 2.5mm	UL94	V-0 5VA	
Flame Rating	All Color 3.0mm	UL94	V-0 5VA	HB
UL			Value	Value
UL FlameRating	ALL 1.5mm	UL94	V-1	HB
UL FlameRating	ALL 2.1mm	UL94	V-0 5VB	
UL FlameRating	ALL 2.5mm	UL94	V-0 5VA	
UL FlameRating	ALL 3.0mm	UL94	V-0 5VA	HB
HWI	ALL 1.5mm	UL 746A	PLC	4
HWI	ALL 2.1mm	UL 746A	PLC	3
HWI	ALL 2.5mm	UL 746A	PLC	3
HWI	ALL 3.0mm	UL 746A	PLC	0
HAI	ALL 1.5mm	UL 746A	PLC	3
HAI	ALL 2.1mm	UL 746A	PLC	0
HAI	ALL 2.5mm	UL 746A	PLC	0
HAI	ALL 3.0mm	UL 746A	PLC	3
RTI Elec	ALL 1.5mm	UL 746B	°C	85
RTI Elec	ALL 2.1mm	UL 746B	°C	85
RTI Elec	ALL 2.5mm	UL 746B	°C	85
RTI Elec	ALL 3.0mm	UL 746B	°C	60
RTI Imp	ALL 1.5mm	UL 746B	°C	80
RTI Imp	ALL 2.1mm	UL 746B	°C	80
RTI Imp	ALL 2.5mm	UL 746B	°C	80
RTI Imp	ALL 3.0mm	UL 746B	°C	60
RTI Str	ALL 1.5mm	UL 746B	°C	85
RTI Str	ALL 2.1mm	UL 746B	°C	85
RTI Str	ALL 2.5mm	UL 746B	°C	85
RTI Str	ALL 3.0mm	UL 746B	°C	60
Comparative Tracking Index		IEC 60112	PLC	1
HVTR		UL 746A	PLC	2
Arc Resistance		ASTM D495	PLC	7

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