

# ChiMei

## ABS

### PA-797

Product information				
Manufacturer	ChiMei Corporation			
Material Shape	Pellets			
Process	Injection molding			
FR	HB			
Material Attribute	Injection grade			
Features	Chemical Resistant			
Application	Home Appliances ApplicationsKitchen Appliances ApplicationsCompacting equipmentBathroom Applications			
Additives	Lubricant Mold Releases			
Flammability	Condition	Standard	Value	Unit
Flame	Rating All Color 1.5mm	UL94	HB	
Flame	Rating All Color 3.0mm	UL94	HB	
Mechanical behavior	Condition	Standard	Value	Unit
Charpy	Notch Impact 23°C	ISO 179	35.5	kJ/m <sup>2</sup>
Elongation	50mm/min	ISO 527	23	%
Flexural	Strength 2.0mm/min	ISO 178	51	MPa
Flexural	Modulus 2.0mm/min	ISO 178	1.1	GPa
Izod	Notch Impact 23°C	ISO 180	35	kJ/m <sup>2</sup>
Tensile	Strength Yield 50mm/min	ISO 527	43	MPa
Tensile	Strength Break 50mm/min	ISO 527	33	MPa
Physical property	Condition	Standard	Value	Unit
Density	23°C	ISO 1183	1.05	g/cm <sup>3</sup>
Melt	Index 220°C 10kg	ISO 1133	9.2	cm <sup>3</sup> /10min
Shrinkage		ISO 294	0.4~0.7	%
Thermal	Condition	Standard	Value	Unit
CLE		ISO 11359	8.8E-5	cm/cm/°C
HDT	Unannealed 1.8MPa	ISO 75	80	°C
HDT	Annealed 1.8MPa	ISO 75	99	°C
Vicat	Softening Temperature 50°C/hr 10N	ISO 306	105	°C
Vicat	Softening Temperature 50°C/hr 50N	ISO 306	95.5	°C
UL	Condition	Standard	Value	Unit
Arc	Resistance	ASTM D495	6	PLC
Comparative	Tracking Index	IEC 60112	0	PLC
HAI	ALL 1.5mm	UL 746A	0	PLC
HAI	ALL 3.0mm	UL 746A	0	PLC
HVTR		UL 746A	0	PLC

HWI	ALL 1.5mm	UL 746A	5	PLC
HWI	ALL 3.0mm	UL 746A	4	PLC
RTI	Elec ALL 1.5mm	UL 746B	60	°C
RTI	Elec ALL 3.0mm	UL 746B	60	°C
RTI	Imp ALL 1.5mm	UL 746B	60	°C
RTI	Imp ALL 3.0mm	UL 746B	60	°C
RTI	Str ALL 1.5mm	UL 746B	60	°C
RTI	Str ALL 3.0mm	UL 746B	60	°C
UL	FlameRating ALL 1.5mm	UL94	HB	
UL	FlameRating ALL 3.0mm	UL94	HB	