

MAC-451PG

(PC+ABS)

Kingfa Sci. & Tech.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	19	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	75	MPa	ASTM D 790
Izod Impact notched, 1/8 in	432	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	112	°C	ASTM D 648
DTUL @ 264 psi	100	°C	ASTM D 648
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	30	kV/mm	ASTM D 149
Surface Resistivity	1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Value	Unit	Test Standard	
Density	1100	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Platable, High impact or impact modified

Applications

Automotive, Electrical and Electronical

Regional Availability

Asia Pacific