

MAC-451 UV

(PC+ABS)

Kingfa Sci. & Tech.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	60	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	82	MPa	ASTM D 790
Izod Impact notched, 1/8 in	432	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	250	J/m	ASTM D 256
Temperature	-25	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	125	°C	ASTM D 648
DTUL @ 264 psi	115	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
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	1110	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Automotive, Electrical and Electronical

Delivery form

Pellets

Regional Availability

Asia Pacific

Special Characteristics

Platable, High impact or impact modified, U.V. stabilized or stable to weather