

Kingfa MAC-451 UV

Polycarbonate + ABS

Kingfa

Message:

Kingfa MAC-451 UV is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in North America or Asia Pacific region.

The processing method is injection molding.

The main characteristics of Kingfa MAC-451 UV are:

flame retardant/rated flame

Good processability

Impact resistance

good weather resistance

Typical application areas include:

Electrical/electronic applications

Automotive Industry

application of coating

General Information			
Features	Impact resistance, good		
	Electroplateable		
	Workability, good		
	Good weather resistance		
Uses	Protective cover		
	Computer components		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	60.0	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus ³	2300	MPa	ASTM D790
Flexural Strength ⁴	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-25°C, 3.20 mm	260	J/m	ASTM D256
23°C, 3.20 mm	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, unannealed, 6.40mm	125	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	115	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.60 mm)	30	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information			
Weather Resistance, ASTM D4459, 200hr xenon lamp: 2 delta E			
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 105	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	220 - 240	°C	
Middle Temperature	220 - 250	°C	
Front Temperature	230 - 260	°C	
Processing (Melt) Temp	220 - 240	°C	
Mold Temperature	60.0 - 90.0	°C	
Back Pressure	0.00 - 10.0	MPa	
Injection instructions			
Processing Temperature Limit: 265°C Injection Speed: 60 to 90%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT