

Kingfa MAC-451 UV Modified PC/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Features:Excellent balance propertiesGood weather resistanceGood impact strengthGood processing propertiesSuit for electro-

platingApplications:Injection moldingAutomobile license plateWater tank coverComputer and accessoriesInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-MAC-451-UV-Modified-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 260 Å°C	@Load 11.0 lb, Temperature 500 Å°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	50mm/min; ASTM D638
Elongation at Break	>= 100 %	>= 100 %	50mm/min; ASTM D638
Flexural Strength	82.0 MPa	11900 psi	2mm/min; ASTM D790
Flexural Modulus	2.30 GPa	334 ksi	2mm/min; ASTM D790
Izod Impact, Notched	2.60 J/cm	4.87 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature -25.0 Å°C	@Thickness 0.126 in, Temperature -13.0 Å°F	
	4.50 J/cm	8.43 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 Å°C	257 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa	115 Å°C	239 Å°F	

Thermal Properties	Metric	English	ASTM D648 Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Strength	30.0 kV/mm	762 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 265 Â°C	<= 509 Â°F	
Rear Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 235Â°C
Middle Barrel Temperature	220 - 250 Â°C	428 - 482 Â°F	Start Point: 240Â°C
Front Barrel Temperature	230 - 260 Â°C	446 - 500 Â°F	Start Point: 240Â°C
Melt Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 235Â°C
Mold Temperature	60.0 - 90.0 Â°C	140 - 194 Â°F	Start Point: 80Â°C
Drying Temperature	90.0 - 105 Â°C @Time 14400 - 21600 sec	194 - 221 Â°F @Time 4.00 - 6.00 hour	Pre-dry
Back Pressure	0.000 - 10.0 MPa	0.000 - 1450 psi	

Descriptive Properties	Value	Comments
Injection Speed	60-90%	
Weather Resistance (delta E)	ASTM D4459; 200hr xenon lamp	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China