

Product information			
Manufacturer	Kingfa Scientific and Technological Co.,Ltd		
Part Marking Code	ABS		
Material Shape	Pellets		
Process	Injection molding		
FR	HB		
Features	• General purpose grade • Wide range of applications		
Application	• Office Applications • E & E Applications • Home Appliances Applications		
Physical property	Standard	Value	Unit
Density 23°C	ISO 1183	1.05	g/cm³
Shrinkage 23°C	ISO 2577	0.4~0.7	%
Melt Index 200°C 5kg	ISO 1133	2.0	g/10min
Melt Index 220°C 10kg	ISO 1133	20	g/10min
Hardness	Standard	Value	Unit
Rockwell Hardness R(Scale)	ISO 2039	108	
Mechanical behavior	Standard	Value	Unit
Tensile Strength 50mm/min	ISO 527	47	MPa
Elongation Yield 50mm/min	ISO 527	8	%
Flexural Strength 2.0mm/min	ISO 178	76	MPa
Flexural Modulus 2.0mm/min	ISO 178	2500	MPa
Izod Notch Impact 23°C	ISO 180	20	kJ/m²
Thermal	Standard	Value	Unit
HDT 0.45MPa	ISO 75	85	°C
HDT 1.8MPa	ISO 75	77	°C
Vicat Softening Temperature 120°C/hr 10N	ISO 306	96	°C
Vicat Softening Temperature 50°C/hr 50N	ISO 306	86	°C
Electrical properties	Standard	Value	Unit
Volume Resistivity	IEC 60093	1E14	Ω.cm
Dielectric Strength	IEC 60243	22	KV/mm
Flammability	Standard	Value	Unit
Flame Rating 1.6mm	UL94	HB	
Flame Rating 0.8mm	UL94	HB	
Injection molding		Value	Unit
Dry Temperature		80~90	°C
Dry Time		2~4	hr
Zone1 Temperature		190	°C
Zone2 Temperature		200	°C
Zone3 Temperature		210	°C
Melt Temperature		215	°C
Max. Melt Temperature		250	°C
Mould Temperature		50	°C
Injection Speed		Slow-Moderate	
Back Pressure		0.0~1000	KPa

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