

**HSC7045**

HSC7045 is high weather resistance PC/ASA resin.HSC7045 has excellent processing properties.HSC7045 is mainly used in automobile parts, commodity, building material, sports equipment, etc.

Properties	Standard	Unit	Condition	Typical Value
<b>Physical</b>				
Density	ASTM D792	g/cm <sup>3</sup>		1.11
Melt Index	ASTM D1238	g/10min	230℃×10kg	20
Mold Shrinkage	ASTM D955	%		0.5~0.7
<b>Mechanical</b>				
Tensile Strength	ASTM D638	MPa		50
Tensile Elongation at Break	ASTM D638	%		60
Flexural Strength	ASTM D790	MPa		75
Flexural Modulus	ASTM D790	MPa		2100
Notched Izod Impact,3.2mm	ASTM D256	J/m	3.2mm,Notched	550
<b>Thermal</b>				
Heat Deflection Temp. 1.82MPa Unannealed	ASTM D648	℃	1.82MPa	100
VICAT	ASTM D1525	℃	B	112
<b>Flammability</b>				
Flammability	UL-94	Class	1.6mm	HB
<b>Electrical Properties</b>				
Volume Resistivity	IEC 60093	Ohm-cm	/	> 1.0E+15
Surface Resistivity	IEC 60093	Ohm	/	> 1.0E+15

**Note: 1) These are typical property values, not specifications.**

**2) In case of colored products, the values could vary slightly by color.**

**3) Values are measured at 23℃ and in RH of 50% on injection molded specimens.**

**4) UL File No. E65424,E254819.**

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Processing Parameters	Typical Value	Unit
Drying Temperature	90~100	℃
Drying Time	3~4	hour
Maximum moisture content		%
Barrel Temperature		
Rear		℃
Middle		℃
Front		℃
Nozzle		℃
Melt Temperature	230~270	℃
Mold Temperature	60~90	℃
Back Pressure		MPa
Screw Speed		rpm

**Note:**

1)The above data is only for reference. Exact settings have to follow the product,injection machine and mold.

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