

KumhoSunny PC/ABS HAC8265

Polycarbonate + ABS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HAC8265 is high heat resistance PC/ABS resin. HAC8265 has an excellent low temperature resistance properties. HAC8265 is mainly used in automobile radiator grill, mud plate, panel, etc.

General Information			
Features	High Heat Resistance		
	Low Temperature Resistant		
Uses	Automotive Applications		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	78.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	125	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information	Nominal Value		
CSA File No.	LS 66457		
Injection	Nominal Value	Unit	

Drying Temperature	100 to 110	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	210 to 230	°C
Middle Temperature	220 to 240	°C
Front Temperature	240 to 260	°C
Nozzle Temperature	240 to 250	°C
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	0.300 to 1.00	MPa
Screw Speed	40 to 70	rpm

NOTE

1. Rate B (120°C/h)

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