

KumhoSunny PC/ABS HAC8245

Polycarbonate + ABS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

PC/ABSHAC8245 is a high impact strength PC/ABS resin.PC/ABSHAC8245 has been widely used in Auto and Household appliance,such as handle, car lamp, medical device and so on.

General Information			
Features	Good Processability		
	High Flow		
	High Impact Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Household Goods		
	Medical/Healthcare Applications		
	Optical Applications		
	Thin-walled Parts		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.10	g/cm ³	ASTM D792
--	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage			
Flow	0.50 to 0.70	%	ASTM D955
--	0.50 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	50.0	MPa	ASTM D638
--	52.0	MPa	ISO 527-2/50
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus			
--	2000	MPa	ASTM D790
-- ¹	2000	MPa	ISO 178

Flexural Strength			
--	60.0	MPa	ASTM D790
-- ²	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³			ISO 179
-30°C	30	kJ/m ²	
23°C	50	kJ/m ²	
Charpy Unnotched Impact Strength ⁴ (23°C)	No Break		ISO 179
Notched Izod Impact			
3.20 mm	600	J/m	ASTM D256
23°C ⁵	48	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	112	°C	ASTM D1525 ⁶
--	110	°C	ISO 306/B50
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	90.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	< 0.020	%	
Rear Temperature	210 to 230	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	250 to 260	°C	
Nozzle Temperature	240 to 250	°C	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	0.300 to 1.00	MPa	
Screw Speed	30 to 70	rpm	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	4J		
4.	4J		
5.	5.5J		

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

