

Kingplate™ H2938-P

Acrylonitrile Butadiene Styrene
Shanghai KumhoSunny Plastics Co., Ltd.

Message:
ABSH2938-P is a medium heat resistance ABS resin for plating , offering high rigidity and high impact.

General Information			
Features	High Impact Resistance		
	High Rigidity		
	Medium Heat Resistance		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	9.0	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	37.0	MPa	ISO 527-2/50
Tensile Strain (Break)	63	%	ISO 527-2/50
Flexural Modulus ¹ (64.0 mm)	2130	MPa	ISO 178
Flexural Stress ² (64.0 mm)	60.0	MPa	ISO 178
Poisson's Ratio	0.39		ISO 527
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³			ISO 179
-30°C	13	kJ/m ²	
23°C	26	kJ/m ²	
Charpy Unnotched Impact Strength ⁴			ISO 179
-30°C	No Break		
23°C	No Break		
Notched Izod Impact Strength ⁵			ISO 180
-30°C	11	kJ/m ²	
23°C	24	kJ/m ²	
Unnotched Izod Impact Strength ⁶			ISO 180
-30°C	No Break		
23°C	No Break		

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁷			
0.45 MPa, Unannealed	99.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	86.0	°C	ISO 75-2/A
Vicat Softening Temperature	106	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow : -40 to 40°C	7.7E-5	cm/cm/°C	
Transverse : -40 to 40°C	7.6E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	200 to 220	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	235 to 255	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	1.00 to 5.00	MPa	
Screw Speed	30 to 70	rpm	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	Condition: 4 J		
4.	Condition: 4 J		
5.	Condition: 5.5 J		
6.	Condition: 5.5 J		
7.	120°C/h		

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



WECHAT