

KumhoSunny PC/ASA HSC7079NH

Acrylonitrile Styrene Acrylate + PC

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HSC7079NH is high flow, non-halogen flame retardant PC/ASA resin. HSC7079NH non-halogen flame retardant rate is 1/16" V0. HSC7079NH is mainly used in automobile parts, electronics, outdoor, etc.

General Information			
UL YellowCard	E254819-101808252		
Features	Flame Retardant		
	Halogen Free		
	High Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Outdoor Applications		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	70	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	100	°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)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	230 to 270	°C	
Mold Temperature	50.0 to 80.0	°C	
NOTE			
1.	Rate B (120°C/h)		

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