

Kumho SAN SAN 350HW

Styrene Acrylonitrile

Korea Kumho Petrochemical Co., Ltd.

Message:

Features: Super high strength, High heat resistance

Applications: Disposable lighter, Electric fan, Electronic parts

General Information			
Features	High strength		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Electrical components		
RoHS Compliance	RoHS compliance		
UL File Number	E65424		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	1.4	g/10 min	ASTM D1238
230°C/3.8 kg	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 - 0.60	%	ASTM D955
Water Absorption (Equilibrium)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.4	MPa	ASTM D638
Tensile Elongation (Yield)	4.5	%	ASTM D638
Flexural Modulus	3520	MPa	ASTM D790
Flexural Strength (Yield)	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	15	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	109	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	

Rear Temperature	170 - 190	°C
Middle Temperature	180 - 200	°C
Front Temperature	190 - 210	°C
Nozzle Temperature	190 - 220	°C
Mold Temperature	40.0 - 70.0	°C

Injection instructions

Injection Hopper Throat: 45 °C

NOTE

1. 速率 A (50°C/h), 压力1 (10N)

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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

