

Kumho PS HI 425

High Impact Polystyrene

Korea Kumho Petrochemical Co., Ltd.

Message:

Features: High impact strength, General purpose

Applications: Office equipment, Electronic home appliances, Toys, Kitchen utensils, Miscellaneous goods, Leisure goods

General Information			
UL YellowCard	E65424-247768		
Features	Impact resistance, high		
	General		
Uses	Kitchen utensils		
	Electrical/Electronic Applications		
	Household goods		
	General		
	Toys		
RoHS Compliance	RoHS compliance		
UL File Number	E654224		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Yield)	40	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Flexural Strength (Yield)	29.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.0	°C	ASTM D648
Vicat Softening Temperature	97.0	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	

Drying Temperature	60.0 - 70.0	°C
Drying Time	1.0 - 3.0	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 - 60.0	°C

Injection instructions

Injection Hopper Throat: 45 °C

NOTE

1. 速率 A (50°C/h), 压力1 (10N)

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

