

Kumho ABS HFA 451

Acrylonitrile Butadiene Styrene
Korea Kumho Petrochemical Co., Ltd.

Message:

Features: High Flame retardant
Applications: OA Instrument, Electronics

General Information			
UL YellowCard	E65424-247699		
Features	Flame Retardant		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
UL File Number	E65424		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/21.6 kg)	120	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (Equilibrium)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.2	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	2260	MPa	ASTM D790
Flexural Strength (Yield)	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	76.0	°C	ASTM D648
Vicat Softening Temperature	91.0	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		

V-0

2.10 mm

5VB

V-0

3.00 mm

5VB

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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

