

Kumho ABS HFA 707

Acrylonitrile Butadiene Styrene
Korea Kumho Petrochemical Co., Ltd.

Message:

Features: General Purpose
Applications: OA Intrument, Electronics

General Information			
UL YellowCard	E65424-247711		
Features	General Purpose		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	General Purpose		
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)	41.2	MPa	ASTM D638
Tensile Elongation (Yield)	20	%	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)	220	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
2.10 mm	V-0		

V-0

3.00 mm

5VB

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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