

Kumho ABS HFA 462

Acrylonitrile Butadiene Styrene
Korea Kumho Petrochemical Co., Ltd.

Message:
Features: Extrusion moulding
Applications: Electronics

General Information			
Uses	Electrical/Electronic Applications		
Processing Method	Extrusion		
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)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Water Absorption (Equilibrium)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.2	MPa	ASTM D638
Tensile Elongation (Yield)	20	%	ASTM D638
Flexural Modulus	2350	MPa	ASTM D790
Flexural Strength (Yield)	61.8	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)	80.0	°C	ASTM D648
Vicat Softening Temperature	96.0	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.60 mm	V-1		
3.20 mm	V-1		
NOTE			

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