

Kumho EP HSP 8390

Polyphenylene Ether + PS

Korea Kumho Petrochemical Co., Ltd.

Message:

Features: untra high Heat Resistance

Applications: Electric & Electronic parts, cases, trays

General Information			
Features	High Heat Resistance		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E65424		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	71.6	MPa	ASTM D638
Tensile Elongation (Yield)	30	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength (Yield)	88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94

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