

KOPLA PA6 KFE1210

Polyamide 6 + PE

KOPLA Co., Ltd.

Message:

KOPLA PA6 KFE1210 is a Polyamide 6 + PE (Nylon 6+PE) material. It is available in Asia Pacific.

Important attributes of KOPLA PA6 KFE1210 are:

Flame Rated

Good Toughness

Typical application of KOPLA PA6 KFE1210: Electrical/Electronic Applications

General Information			
Features	High Elongation		
	Ultra High Toughness		
Uses	Connectors		
	Electrical Parts		
	Wheels		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8 to 2.4	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.2	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	47.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 200	%	ASTM D638
Flexural Modulus (23°C)	1370	MPa	ASTM D790
Flexural Strength (23°C)	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	120	°C	
1.8 MPa, Unannealed	50.0	°C	
Melting Temperature	220	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+15	ohms · cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.00		ASTM D150

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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