

KOPLA PA66 KDU1021

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDU1021 is a Polyamide 66 (Nylon 66) material filled with mineral. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDU1021 are:

Flame Rated

Good Dimensional Stability

Impact Modified

Typical applications include:

Electrical/Electronic Applications

Engineering/Industrial Parts

General Information	
Filler / Reinforcement	Mineral
Additive	Impact Modifier
Features	Good Dimensional Stability
	Impact Modified
Uses	Electrical/Electronic Applications
	Gears

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80 to 1.5	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	63.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	2940	MPa	ASTM D790
Flexural Strength (23°C)	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	245	°C	
1.8 MPa, Unannealed	225	°C	
Melting Temperature	260	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257

Dielectric Strength	25	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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