

KOPLA PA6 KNE1030

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNE1030 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific.

Important attributes of KOPLA PA6 KNE1030 are:

Flame Rated

Impact Modified

Typical application of KOPLA PA6 KNE1030: Electrical/Electronic Applications

General Information	
Additive	Impact Modifier
Features	Impact Modified
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)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	39.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 200	%	ASTM D638
Flexural Modulus (23°C)	1180	MPa	ASTM D790
Flexural Strength (23°C)	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Melting Temperature	220	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

