

KOPLA PA6 KNE1020

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNE1020 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific.

Important attributes of KOPLA PA6 KNE1020 are:

Flame Rated

Impact Modified

Typical application of KOPLA PA6 KNE1020: Electrical/Electronic Applications

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Uses	Connectors		
	Electrical Parts		
	Wheels		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	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)	49.0	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	640	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+13	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
--------------	---------------	------	-------------

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

