

KOPA® KN1322G5V0

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN1322G5V0 is a Polyamide 6 (Nylon 6) product filled with 5.0% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America. Characteristics include:
Flame Rated
Flame Retardant
Halogen Free

General Information			
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.1	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	1.0	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	79.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	3870	MPa	ASTM D790
Flexural Strength (23°C)	132	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	200	°C	
1.8 MPa, Unannealed	175	°C	
Peak Melting Temperature	220	°C	ASTM D1525
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.50		ASTM D150
Arc Resistance	120	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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

