

KOPA® KN3321G10V0Y

Polyamide 66
Kolon Plastics, Inc.

Message:

KOPA® KN3321G10V0Y is a Polyamide 66 (Nylon 66) product filled with glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America. Characteristics include:
Flame Rated
Flame Retardant
Good Dimensional Stability
Good Toughness

General Information			
UL YellowCard	E190675-101821165		
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Toughness		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 1.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.70	%	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)	100	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus (23°C)	5400	MPa	ASTM D790
Flexural Strength (23°C)	170	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 D648A
0.45 MPa, Unannealed	240	°C	
1.8 MPa, Unannealed	235	°C	
Peak Melting Temperature	255	°C	ASTM D3418
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.60		ASTM D150

Arc Resistance	130	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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Recommended distributors for this material

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