

KOPA® KN333G33HS

Polyamide 66
Kolon Plastics, Inc.

Message:

KOPA® KN333G33HS 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
Good Dimensional Stability
Heat Resistant
High Strength

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Dimensional Stability		
	Good Thermal Stability		
	High Strength		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.35	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.40	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	186	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	8.0	%	ASTM D638
Flexural Modulus (23°C)	8630	MPa	ASTM D790
Flexural Strength (23°C)	294	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	250	°C	
1.8 MPa, Unannealed	248	°C	
Peak Melting Temperature	255	°C	ASTM D3418
CLTE - Flow	2.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	21	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.60		ASTM D150
Arc Resistance	135	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
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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

