KOPA® KN333G30

Polyamide 66

Kolon Plastics, Inc.

Message:

KOPA®KN333G30 is a polyamide 66 (nylon 66) product, which contains a 30% glass fiber reinforced material. It is available in North America, Latin America, Europe or Asia Pacific. KOPA®KN333G30 applications include the automotive industry, electrical/electronic applications and engineering/industrial accessories.
Features include:
flame retardant/rated flame
ROHS certification
high strength
good weather resistance
chemical resistance

General Information			
UL YellowCard	E190675-100647273		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Lubricant		
Features	High tensile strength Good wear resistance Good chemical resistance Good weather resistance Self-lubricating		
Uses	Electrical/Electronic Applications Industrial components Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.36	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.40	%	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)	6.0	%	ASTM D638
Flexural Modulus (23°C)	8530	MPa	ASTM D790
Flexural Strength (23°C)	275	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	110	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	250	°C	ASTM D648
1.8 MPa, not annealed	247	°C	ASTM D648
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**
Flame Rating	HB		UL 94

Recommended distributors for this material

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