

KOPA® KN333G35CR

Polyamide 66

Kolon Plastics, Inc.

Message:

KOPA® KN333G35CR is a Polyamide 66 (Nylon 66) product filled with 35% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.

Characteristics include:

- Flame Rated
- Good Dimensional Stability
- Good Weather Resistance
- Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Features	Good Dimensional Stability		
	Good Weather Resistance		
	High Heat Resistance		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	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)	7.5	%	ASTM D638
Flexural Modulus (23°C)	8830	MPa	ASTM D790
Flexural Strength (23°C)	284	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 D648
0.45 MPa, Unannealed	250	°C	
1.8 MPa, Unannealed	248	°C	
Peak Melting Temperature	255	°C	ASTM D1525
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

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Recommended distributors for this material

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