

KOPA® KN133CT

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN133CT is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Flame Rated
Flame Retardant
Halogen Free
Heat Resistant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Heat Resistance		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4 to 1.8	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	1.4	%	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)	86.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	13	%	ASTM D638
Flexural Modulus (23°C)	3040	MPa	ASTM D790
Flexural Strength (23°C)	128	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	190	°C	
1.8 MPa, Unannealed	75.0	°C	
Peak Melting Temperature	220	°C	ASTM D1525
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Arc Resistance	115	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
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Recommended distributors for this material

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