

KOPA® KN187

Polyamide 6
Kolon Plastics, Inc.

Message:

KOPA® KN187 is a Polyamide 6 (Nylon 6) product. It can be processed by extrusion and is available in Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Flame Rated
Good Flexibility

General Information			
Features	Good Flexibility		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	71.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	600	%	ASTM D638
Flexural Modulus (23°C)	1540	MPa	ASTM D790
Flexural Strength (23°C)	69.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	160	°C	
1.8 MPa, Unannealed	60.0	°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
Flame Rating	HB		UL 94

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