

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPA[®]

POLYAMIDE-66 RESIN

KN331F

HIGH FLOW GRADE

PROPERTY	ASTM METHOD	UNIT			VALUE			
MISCELLANEOUS								
SPECIFIC GRAVITY	D792				1.14			
WATER ABSORPTION	D570	%			1.3			
MOLD SHRINKAGE	D955	%			1.1			
THERMAL								
MELTING POINT	D789	°C	°F	255	491			
HEAT DISTORTION TEMPERATURE	D648							
4.6kg.f/cm ³ (0.46 Mpa)		°C	°F	235	455			
18.6kg.f/cm ³ (1.82 Mpa)		°C	°F	85	185			
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696	10 ⁻⁴ cm/cm/°C			0.7			
FLAMMABILITY	UL94				V-2			
MECHANICAL								
TENSILE STRENGTH	73°F (23°C)	D638	kgf/cm ²	Mpa	psi	850	83	12,087
TENSILE ELOGATION	73°F (23°C)	D638	%			60		
FLEXURAL STRENGTH	73°F (23°C)	D790	kgf/cm ²	Mpa	psi	1,300	127	18,486
FLEXURAL MODULUS	73°F (23°C)	D790	kgf/cm ²	Mpa	psi	30,000	2,942	426,589
IZOD NOTCHED IMPACT STRENGTH		D256	kgcm/cm	J/m	ft.lb/in	7.0	69	1.29
HARDNESS ROCKWELL	R SCALE	D785	g/cc			120		
ELECTRICAL								
ARC RESISTANCE	D495	sec			128			
DIELECTRIC CONSTANT	D150	10 ⁶ Hz			3.3			
DIELECTRIC STRENGTH	D149	KV/mm			20			

The information provided on our present state of knowledge and is estimated by Kolon Industries Inc. The listed values should be used for referential purposed only. This information should not be used as guranteed specification limits.

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