

# PROPERTY INFORMATION

KOLON INDUSTRIES INC

**KOPA**®

POLYAMIDE-66 RESIN

**KN333HI4**

HIGH IMPACT GRADE

PROPERTY	ASTM METHOD	UNIT			VALUE			
<b>MISCELLANEOUS</b>								
SPECIFIC GRAVITY	D792				1.08			
WATER ABSORPTION	D570	%			0.9			
MOLD SHRINKAGE	D955	%			1.7			
<b>THERMAL</b>								
MELTING POINT	D789	°C	°F		255	491		
HEAT DISTORTION TEMPERATURE	D648							
4.6kg.f/cm <sup>3</sup> (0.46 Mpa)		°C	°F		200	392		
18.6kg.f/cm <sup>3</sup> (1.82 Mpa)		°C	°F		70	158		
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696	10 <sup>-4</sup> cm/cm/°C			0.6			
FLAMMABILITY	UL94				HB			
<b>MECHANICAL</b>								
TENSILE STRENGTH	73°F (23°C)	D638	kgf/cm <sup>2</sup>	Mpa	psi	550	54	7,821
TENSILE ELOGATION	73°F (23°C)	D638	%			85.0		
FLEXURAL STRENGTH	73°F (23°C)	D790	kgf/cm <sup>2</sup>	Mpa	psi	700	69	9,954
FLEXURAL MODULUS	73°F (23°C)	D790	kgf/cm <sup>2</sup>	Mpa	psi	16,000	1,569	227,514
IZOD NOTCHED IMPACT STRENGTH		D256	kgcm/cm	J/m	ft.lb/in	NB	NB	NB
HARDNESS ROCKWELL	R SCALE	D785	g/cc			110		
<b>ELECTRICAL</b>								
ARC RESISTANCE	D495	sec			125			
DIELECTRIC CONSTANT	D150	10 <sup>6</sup> Hz			3.1			
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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**API-KOLON**  
Engineering Plastics

333 Enterprise Parkway • Lake Zurich • IL • 60047 • USA

Phone: 1-847-550-5556 Fax: 1-847-550-5557

Email: MaxHahn21@hotmail.com