

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPA®

POLYAMIDE-66 RESIN

KN333HRN

HEAT RESISTANCE 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	870	85	12,371
TENSILE ELOGATION	73°F (23°C)	D638	%			40		
FLEXURAL STRENGTH	73°F (23°C)	D790	kgf/cm ²	Mpa	psi	1,250	123	17,775
FLEXURAL MODULUS	73°F (23°C)	D790	kgf/cm ²	Mpa	psi	28,000	2,746	398,150
IZOD NOTCHED IMPACT STRENGTH		D256	kgcm/cm	J/m	ft.lb/in	6.0	59	1.11
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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