

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPA®

POLYAMIDE-66 RESIN

KN333G15

G/F REINFORCED GRADE

PROPERTY	ASTM METHOD	UNIT			VALUE			
MISCELLANEOUS								
SPECIFIC GRAVITY	D792				1.24			
WATER ABSORPTION	D570	%			0.4			
MOLD SHRINKAGE	D955	%			0.5			
THERMAL								
MELTING POINT	D789	°C	°F	255	491			
HEAT DISTORTION TEMPERATURE	D648							
4.6kg.f/cm ³ (0.46 Mpa)		°C	°F	245	473			
18.6kg.f/cm ³ (1.82 Mpa)		°C	°F	235	455			
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696	10 ⁻⁴ cm/cm/°C			0.3			
FLAMMABILITY	UL94				HB			
MECHANICAL								
TENSILE STRENGTH	73°F (23 °C)	D638	kgf/cm ²	Mpa	psi	1,450	142	20,618
TENSILE ELOGATION	73°F (23 °C)	D638	%			6		
FLEXURAL STRENGTH	73°F (23 °C)	D790	kgf/cm ²	Mpa	psi	2,000	196	28,439
FLEXURAL MODULUS	73°F (23 °C)	D790	kgf/cm ²	Mpa	psi	51,000	5,001	725,202
IZOD NOTCHED IMPACT STRENGTH		D256	kgcm/cm	J/m	ft.lb/in	8.0	78	1.47
HARDNESS ROCKWELL	R SCALE	D785	g/cc			120		
ELECTRICAL								
ARC RESISTANCE	D495	sec			135			
DIELECTRIC CONSTANT	D150	10 ⁶ Hz			3.6			
DIELECTRIC STRENGTH	D149	KV/mm			21			

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