

## PROPERTY INFORMATION

KOLON INDUSTRIES INC

# KOPA<sup>®</sup>

POLYAMIDE-6 RESIN

# KN132G15VO

FLAME RETARDANT WITH G/F GRADE

PROPERTY	ASTM METHOD	UNIT			VALUE			
<b>MISCELLANEOUS</b>								
SPECIFIC GRAVITY	D792				1.3			
WATER ABSORPTION	D570	%			0.7			
MOLD SHRINKAGE	D955	%			0.7			
<b>THERMAL</b>								
MELTING POINT	D789	°C	°F	220	428			
HEAT DISTORTION TEMPERATURE  4.6kg.f/cm <sup>3</sup> (0.46 Mpa) 18.6kg.f/cm <sup>3</sup> (1.82 Mpa)	D648	°C	°F	205	401			
		°C	°F	195	383			
		10 <sup>-4</sup> cm/cm/°C			0.8			
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696				0.8			
FLAMMABILITY	UL94				V-O			
<b>MECHANICAL</b>								
TENSILE STRENGTH	73°F (23 °C)	D638	kgf/cm <sup>2</sup>	Mpa	psi	1,200	118	17,064
TENSILE ELOGATION	73°F (23 °C)	D638	%			5		
FLEXURAL STRENGTH	73°F (23 °C)	D790	kgf/cm <sup>2</sup>	Mpa	psi	1,600	157	22,751
FLEXURAL MODULUS	73°F (23 °C)	D790	kgf/cm <sup>2</sup>	Mpa	psi	60,000	5,884	853,179
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		
<b>ELECTRICAL</b>								
ARC RESISTANCE	D495	sec			130			
DIELECTRIC CONSTANT	D150	10 <sup>6</sup> Hz			3.8			
DIELECTRIC STRENGTH	D149	KV/mm			21			

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