

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPEL[®]

POLYESTER ELASTOMER RESIN

KP3372

GENERAL GRADE 72D

PROPERTY	ASTM METHOD	UNIT			VALUE		
MISCELLANEOUS							
SPECIFIC GRAVITY	D792				1.27		
HARDNESS, DUROMETER	D2240	D-TYPE			72		
MELT INDEX 446°F (230°C)	D1238	g / 10 min			17		
WATER ABSORPTION	D570	%			0.3		
MOLD SHRINKAGE	D955	%			1.6		
THERMAL							
MELTING POINT	DSC	°C	°F	218	424		
HEAT DISTORTION TEMPERATURE	D648						
4.6kg.f/cm ² (0.46 Mpa)		°C	°F	148	298		
SOLENOID BRITTLE POINT	D746	°C	°F	< -65	< -85		
FLAMMABILITY	UL94	HB					
MECHANICAL							
TENSILE STRENGTH 73°F (23°C)	D638	kgf/cm ²	Mpa	psi	400	39	5,688
TENSILE ELOGATION 73°F (23°C)	D638	%			400		
FLEXURAL MODULUS 73°F (23°C)	D790	kgf/cm ²	Mpa	psi	5,200	510	73,942
IZOD NOTCHED IMPACT STRENGTH	D256						
		73°F (23°C)	kgcm/cm	J/m	ft.lb/in	26.0	255
-40°F (-40°C)		kgcm/cm	J/m	ft.lb/in	5.5	54	1.01
ABRASION RESISTANCE CS-17 WHEEL	D1044	mg / 10 ³ cycles			10.0		
RESILIENCE		%			-		

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

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