

# PROPERTY INFORMATION

KOLON INDUSTRIES INC

# KOPEL<sup>®</sup>

POLYESTER ELASTOMER RESIN

# KP3372

GENERAL GRADE 72D

PROPERTY	ASTM METHOD	UNIT			VALUE		
<b>MISCELLANEOUS</b>							
SPECIFIC GRAVITY	D792				1.27		
HARDNESS, DUROMETER	D2240	D-TYPE			72		
MELT INDEX <span style="float: right;">446°F (230°C)</span>	D1238	g / 10 min			17		
WATER ABSORPTION	D570	%			0.3		
MOLD SHRINKAGE	D955	%			1.6		
<b>THERMAL</b>							
MELTING POINT	DSC	°C	°F	218	424		
HEAT DISTORTION TEMPERATURE	D648						
4.6kg.f/cm <sup>3</sup> (0.46 Mpa)		°C	°F	148	298		
SOLENOID BRITTLE POINT	D746	°C	°F	< -65	< -85		
FLAMMABILITY	UL94	HB					
<b>MECHANICAL</b>							
TENSILE STRENGTH <span style="float: right;">73°F (23°C)</span>	D638	kgf/cm <sup>2</sup>	Mpa	psi	400	39	5,688
TENSILE ELOGATION <span style="float: right;">73°F (23°C)</span>	D638	%			400		
FLEXURAL MODULUS <span style="float: right;">73°F (23°C)</span>	D790	kgf/cm <sup>2</sup>	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 <sup>3</sup> cycles			10.0		
RESILIENCE		%			-		

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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