

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPEL[®]

POLYESTER ELASTOMER RESIN

KP3363

GENERAL GRADE 63D

PROPERTY	ASTM METHOD	UNIT	VALUE				
MISCELLANEOUS							
SPECIFIC GRAVITY	D792		1.23				
HARDNESS, DUROMETER	D2240	D-TYPE	65				
MELT INDEX 446°F (230°C)	D1238	g / 10 min	20				
WATER ABSORPTION	D570	%	0.3				
MOLD SHRINKAGE	D955	%	1.3				
THERMAL							
MELTING POINT	DSC	°C	°F	210	410		
HEAT DISTORTION TEMPERATURE	D648						
4.6kg.f/cm ³ (0.46 Mpa)		°C	°F	120	248		
SOLENOID BRITTLE POINT	D746	°C	°F	< -70	< -94		
FLAMMABILITY	UL94	HB					
MECHANICAL							
TENSILE STRENGTH 73°F (23°C)	D638	kgf/cm ²	Mpa	psi	380	37	5,403
TENSILE ELOGATION 73°F (23°C)	D638	%			550		
FLEXURAL MODULUS 73°F (23°C)	D790	kgf/cm ²	Mpa	psi	3,000	294	42,659
IZOD NOTCHED IMPACT STRENGTH	D256						
		73°F (23°C)	kgcm/cm	J/m	ft.lb/in	N/B ¹⁾	N/B
-40°F (-40°C)		kgcm/cm	J/m	ft.lb/in	8.4	82	1.55
ABRASION RESISTANCE CS-17 WHEEL	D1044	mg / 10 ³ cycles				7.0	
RESILIENCE		%			43		

1) N/B : NOT BREAKBLE

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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