

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPEL[®]

POLYESTER ELASTOMER RESIN

KP3355

GENERAL GRADE 55D

PROPERTY	ASTM METHOD	UNIT			VALUE		
MISCELLANEOUS							
SPECIFIC GRAVITY	D792				1.19		
HARDNESS, DUROMETER	D2240	D-TYPE			55		
MELT INDEX	D1238	g / 10 min			18		
WATER ABSORPTION	D570	%			0.5		
MOLD SHRINKAGE	D955	%			1.1		
THERMAL							
MELTING POINT	DSC	°C	°F	200	392		
HEAT DISTORTION TEMPERATURE	D648						
		°C	°F	102	216		
SOLENOID BRITTLE POINT	D746	°C	°F	< -70	< -94		
FLAMMABILITY	UL94	HB					
MECHANICAL							
TENSILE STRENGTH	D638	kgf/cm ²	Mpa	psi	360	35	5,119
TENSILE ELOGATION	D638	%			650		
FLEXURAL MODULUS	D790	kgf/cm ²	Mpa	psi	1,800	177	25,595
IZOD NOTCHED IMPACT STRENGTH	D256						
		kgcm/cm	J/m	ft.lb/in	N/B ¹⁾	N/B	N/B
		kgcm/cm	J/m	ft.lb/in	N/B	N/B	N/B
ABRASION RESISTANCE CS-17 WHEEL	D1044	mg / 10 ³ cycles			5.0		
RESILIENCE		%			50		

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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