

ZL® 900 AS

Static Dissipative Acetal Copolymer



	Test Method ASTM	Units	ZL® 900 AS Static Dissipative Acetal Copolymer
Mechanical Properties			
Specific Gravity	D-792	gm/cm ³	1.35
Tensile Strength, 73° F	D-638	psi	5,800
Tensile Modulus, 73° F	D-638	psi	200,000
Elongation, Break, 73° F	D-638	%	72
Flexural Strength, 73° F	D-790	psi	
Flexural Modulus, 73° F	D-790	psi	
Compressive Strength, 73° F	D-695	psi	
Compressive Modulus	D-695	psi	
Impact Strength, Notched, 73° F	D-256	ft-lbs/in	1.8
Hardness, Rockwell	D-785	R	
Hardness, Durometer, Shore D	2240	D	D74
Shear Strength	D-732	psi	
Coefficient of Friction against steel	-	-	
Thermal Properties			
Deflection Temperature - 66 psi	D-648	°F	
Deflection Temperature - 264 psi	D-648	°F	
Maximum Temperature - Long Term	-	°F	
Maximum Temperature - Short Term	-	°F	
Melting Point		°F	329
Coefficient of Linear Thermal Expansion	D-696	in/in/°F	
Thermal Conductivity	C-177	Btu-in/hr-ft ² -°F	
Electric Properties			
Dielectric Strength	D-149	V/mil	1,400
Dielectric Constant, 1kHz	D-150	-	
Dissipation Factor, 1 kHz	D-150		
Flammability	UL 94		
Volume Resistivity, 73° F	D-257	ohm-cm	10 ⁹ - 10 ¹⁰
Surface Resistivity, 73° F	D-257	ohm-cm	10 ⁹ - 10 ¹⁰
Water Absorption Rates			
Water Absorption, 24 hrs. 73° F	D-570	%	
Water Absorption, Saturation, 73° F	D-570	%	

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