660 Series Conductive Plastic Hinged Boxes

The All-Spec 660 series conductive plastic boxes are made of a surface and volume conductive material in accordance with EIA standard 541 using ASTM D257-75 and EOS/ESD-DS-11.11.1991 test methods. It is also a volume conductive and electrostatic sheilding material as defined by EIA standard 541 in accordance with the ASTM 991-83 test method.

ELECTROSTATIC	TYPICAL VALUES	TEST METHOD
Surface Resistivity	$<10^5$ ohms/sq	ASTM D257-78
Surface Resistance	$<10^4$ ohms	EOS/ESD-11,11-1991
Volume Resistancy	<100 ohm-cm	ASTM D991-83
Static Decay	<0.10 second	EIA-541, Apx F*

PHYSICAL	TYPICAL VALUES	TEST METHOD
Specific Gravity	1.02	ASTM D792
Water Absorption % (24hrs @ 23°C)	0.01 lbs./ft^2	ASTM D570
Impact Strength, IZOD:		
Notched	1.2 ft lbs./in	ASTM D256
Unnotched	7 ft lbs./in	ASTM D256
Load Deflection Temp.		
@ 264 psi	210°F	ASTM D648
@ 66 psi	220°F	ASTM D648
Thermal Conductivity	1.8 BTU/hr/ft^2/°F/in	ASTM C177
Flammability	<1.5 in/min	ASTM D635

CHEMICAL RESISTANCE

Dilute Acids	Excellent	Detergents and Soaps	Excellent
Dilute Alkalines	Excellent	Concentrated Acids	Good
Concentrated Alkalines	Excellent	Oil and Gasoline	Fair
Saline Solutions	Excellent	Aromatic Hydrocarbons	Fair
Alcohol	Excellent	Aliphatic Hydrocarbons	Fair
Ketones	Excellent	Paint Solvents	Poor

*Federal Test Standard-101C, Method 4046.1, as described in EIA-541, Appendix F

NOTICE: All information, recommendations, and suggestions described herein regarding the use of All-Spec Industries 660 Series Conductive Plastic Hinged Boxes are based upon tests and data believed to be reliable. However, it is the users responsibility to determine the suitability of these boxes for their own application. Since the actual use by others is beyond the control of All-Spec Industries, no guarantee, expressed or implied, is made by All-Spec Industries as to the effects of use, nor does All-Spec Industries assume any liability, arising from the use by others, for the products described herein. Additionaly, the information contained herein is not to be considered as absolutely complete, since additional data may be necessary or desirable when a particular condition arises, or because of laws or government regulations.

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