



Product Data Sheet

PRODUCT DESCRIPTION

70744/70715 E.S.D. is a two-component epoxy and conductive elements specially formulated for application where static electricity must be controlled. 70744/70715 E.S.D. conductive elements help maintain the coatings electrostatic dissipating characteristics even when relative humidity is below 25%. 70744/70715 E.S.D. is extremely hard, impact resistant, abrasion resistant and has excellent chemical resistance.

PRODUCT NUMBERS AND COLORS

Standard color is: 70744 Gray

CURED FILM PERFORMANCE

Description	Test Method	Results
Compressive Strength	ASTM D695	24,000 psi
Tensile Strength	ASTM D638	3,500 psi
Elongation	ASTM D638	10%
Water Resistance	ASTM D570	<1%
MVT @ 10 Mils	ASTM E96	0.16
Shore D	ASTM D2280	80
Adhesion	ASTM D4541	350 psi
Flammability	ASTM D635	Pass

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

PRODUCT DATA

Description	Test Method	Results
Mix Ratio 70744:70715		3:1 by volume
Weight/Gal (mixed)	ASTM D1475	10.75 lbs/gal
Weight Solids (mixed)	ASTM D4209	87.5%
Volume Solids (mixed)	Calculated	81%
Viscosity (mixed)	ASTM D2196	600 cps
VOC (mixed)	EPA Method 24	162 g/L
Flash Point	ASTM D3278	109°F
Pot Life (mixed)		4 hours

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STATIC CONTROL PROPERTIES

Description	Test Method	Results
Surface Resistance NFPA 99 Test Method	ASTM F150	500 volts
Static Dissipative Range @ 10 - 500 volts		1x10 ⁶ to 1 x 10 ⁹ ohms
Static Charge Decay Mil-B-81705C	FTMS 101B, Method 4046	Dissipates a 5,000 volt charge to zero in < 0.1 seconds

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APPLICATIONS

70744/70715 E.S.D. is designed for areas where electrostatic build-up cannot be tolerated. Industries such as, electronic manufacturing and warehousing, data processing, computer manufacturing, aerospace and military applications.

HEALTH AND SAFETY

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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