MWS Wire Industries

Rev. August 15, 2006

RoHS ANALYTICAL RESULTS FOR MAGNET WIRE HOMOGENOUS MATERIALS

Substance	Test Method	Method Reporting Limit
Cadmium & Lead	ICP-MS	0.04 ppm
Hexavalent Chromium	ICP-OES	20 ppm
Mercury	CVAA	0.8 ppm
PBB & PBDE	GC-MS	0.5 ppm

Coating Type	NEMA Designation	Dye Addition	Restricted Substance Content (ppm)					
			Cd	Hex Cr	Hg	Pb	PBB	PBDE
Class 155 Polyurethane	MW 79	Green	<0.1	ND	ND	0.4	ND	ND
Class 180 Polyurethane	MW 82	Blue	<0.1	ND	ND	0.9	ND	ND
Modified Nylon 6,6 Topcoat	MW 80/MW 83	Red	ND	ND	ND	1.4	ND	ND
Class 240 Type I Polyimide	MW 16	None	ND	ND	ND	0.4	ND	ND
Class 220 Type II Polyimide	-	None	ND	ND	ND	0.4	ND	ND
Class 105 Formvar	MW 15	Yellow	ND	ND	ND	0.4	ND	ND
Class 220 Polyamideimide	MW 35/MW 81	Black	ND	ND	ND	0.3	ND	ND
Class 200 Modified Polyester	MW 35	Brown	ND	ND	ND	1.2	ND	ND
Class 180 Solderable Polyesterimide	MW 77	White	ND	ND	ND	1.9	ND	ND
Polyvinyl Butyral Bond Coat	MW 29	None	ND	ND	ND	0.3	ND	ND
Polyester Bond Coat	-	None	ND	ND	ND	1.3	ND	ND
Epoxy Bond Coat	-	None	ND	ND	ND	0.3	ND	ND
Polyamide Bond Coat	MW 102	None	ND	ND	ND	0.4	ND	ND

Typical copper wire > 99.90% purity ICP-MS Analysis	Specification	Restricted Substance Content (ppm)					
		Cd	Hex Cr	Hg	Pb	PBB	PBDE
	CDA 11040 / 10200	ND	No test	ND	< 5	No test	No test

ND = Not detected