



**IHS NORMALIZED FORMAT
Material Declaration Data Sheet**

Added
Normalized

					Document Code	FTP FEED
Sub Part	Sub Part Weight (mg)	Sub Part Details	Sub Part Substance	CAS Number	Sub Part Substance Weight (mg)	Sub Part Substance Concentration (ppm)
BOND WIRE	0.067407	METALLURGY	GOLD	7440-57-5	0.067406	999985
BOND WIRE	0.067407	TRACE METAL	COPPER	7440-50-8	0	0
BOND WIRE	0.067407	TRACE METAL	BERYLLIUM	7440-41-7	0.000001	15
BOND WIRE	0.067407	TRACE METAL	SILVER	7440-22-4	0	0
DIE ATTACH ADHESIVE	0.094662	CONDUCTIVE MATERIAL	SILVER	7440-22-4	0.070997	750005
DIE ATTACH ADHESIVE	0.094662	POLYMER	EPOXY	NOT PROVIDED	0.015146	160001
DIE ATTACH ADHESIVE	0.094662	POLYMER	PROPRIETARY RESIN	NOT PROVIDED	0.006626	69996
DIE ATTACH ADHESIVE	0.094662	REACTIVE DILUENT	PROPRIETARY MATERIAL	NOT PROVIDED	0.001893	19997
LEAD FRAME	3.109034	BASE METAL	ZINC	7440-66-6	0.006218	2000
LEAD FRAME	3.109034	BASE METAL	TIN	7440-31-5	0.007773	2500
LEAD FRAME	3.109034	BASE METAL	CHROMIUM	7440-47-3	0.007773	2500
LEAD FRAME	3.109034	BASE METAL	COPPER	7440-50-8	3.08727	993000
LEAD FRAME PLATING	0.195827	PLATING	NICKEL	7440-02-0	0.176245	900004
LEAD FRAME PLATING	0.195827	PLATING	GOLD	7440-57-5	0.001958	9999
LEAD FRAME PLATING	0.195827	PLATING	PALLADIUM	7440-5-3	0.017624	89998
MOLD COMPOUND	8.665052	COLORING	CARBON BLACK	1333-86-4	0.025995	3000
MOLD COMPOUND	8.665052	FILLER	SILICA, VITREOUS	60676-86-0	7.365294	850000
MOLD COMPOUND	8.665052	HARDENER	PROPRIETARY HARDENER	NOT PROVIDED	0.433253	50000



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MOLD COMPOUND	8.665052	OTHER ADDITIVE	CATALYST MOLD RELEASE ADHESION AGENT	NOT PROVIDED	0.233956	27000
MOLD COMPOUND	8.665052	POLYMER	BIPHENYL EPOXY	NOT PROVIDED	0.433253	50000
MOLD COMPOUND	8.665052	POLYMER	CRESOL NOVOLAC EPOXY	NOT PROVIDED	0.173301	20000
SEMICONDUCTOR DEVICE	0.836066	SILICON CHIP	SILICON	7440-21-3	0.836066	1000000
Total Weight (mg)					12.968048	