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MATERIAL LIST

<u>DESIGNATION</u>	<u>DESCRIPTION</u>	<u>NOMINAL CHEMISTRY</u>
<u>PURE METALS</u>		
FSC-2100	Molybdenum	Mo
FSC-2150	Aluminum	Al
FSC-2200	Copper	Cu
FSC-2250	Nickel (C)	Ni
FSC-2300	Nickel (F)	Ni
FSC-2400	Tungsten	W
FSC-2500	Tantalum	Ta
FSC-2800	Copper	Cu
FSC-2810	Nickel	Ni
FSC-2850	Zinc	Zn
<u>SELF-FLUXING ALLOYS</u>		
FSC-3100	Nickel-Chromium	Ni/Cr
FSC-3115	Nickel-Chromium-Iron	Ni/Cr/Fe/Si
FSC-3120	Nickel-Chromium	Ni/Cr/Si/B
FSC-3200	Cobalt-Chromium	Co/Ni/Cr/Mo
FSC-3125	Nickel-Chromium	Ni/Cr/Si/B
FSC-3310	Tungsten Carbide-Cobalt	WC-Co/Ni
FSC-3320	Tungsten Carbide-Cobalt (F)	WC-Co/Ni
FSC-3340	Tungsten Carbide	WC-Ni/Cr/Ni
<u>METAL ALLOYS</u>		
FSC-4000	Stainless - Type 316	Fe/Cr/Ni
FSC-4001	Stainless - Type 316 (F)	Fe/Cr/Ni
FSC-4010	Stainless - Type 431	Fe/Cr/Ni
FSC-4020	Stainless - Type 431 (F)	Fe/Cr/Ni
FSC-4070	H-13 Tool Steel	Fe/Cr/Mn
FSC-4100	Nickel-Chromium	Ni/Cr
FSC-4101	Nickel-Chromium (F)	Ni/Cr
FSC-4102	Nickel-Chromium (VF)	Ni/Cr
FSC-4110	Nickel Base-Chromium	Ni/Cr/Fe
FSC-4135	Nickel-Chromium-Molybdenum	Ni/Mo/Cr/Fe
FSC-4150	Hastelloy C	Ni/Cr/Mo/W
FSC-4200	Cobalt-Chromium-Nickel	Co/Cr/Ni/W
FSC-4201	Cobalt-Chromium-Nickel (VF)	Co/Cr/Ni/W
FSC-4295	Babbitt	Sn/Sb/Cu
FSC-4300	Aluminum Bronze	Cu/Al/Fe
FSC-4301	Aluminum Bronze (F)	Cu/Al/Fe
FSC-4400	Silicon Aluminum	Al/Si
FSC-4500	Copper-Nickel	Cu/Ni
FSC-4501	Copper-Nickel (F)	Cu/Ni
FSC-4510	Copper-Nickel-Indium	Cu/Ni/In
FSC-4210	Cobalt-Chromium-Moly	Co/Mo/Cr/Si
FSC-4145	Nickel-Moly-Chromium	Ni/Mo/Cr/Si
FSC-4220	Cobalt-Chromium-Molybdenum	Co/Mo/Cr/Si
FSC-4050	Low Carbon Steel	Fe/Mg/C
FSC-4060	High Carbon Iron	Fe/C/Mn

CARBIDES

FSC-5100	Chromium Carbide (C)	Cr ₂ C ₃
FSC-5125	Chrome Carbide-Nickel Chrome	Cr ₂ C ₃ /NiCr
FSC-5130	Chrome Carbide-Nickel Chrome	Cr ₂ C ₃ /NiCr
FSC-5131	Chrome Carbide-Nickel Chrome (VF)	Cr ² C ³ /NiCr
FSC-5135	Chrome Carbide (VF)	Cr ² C ³ /NiCr
FSC-5150	Chrome Carbide-Nickel Aluminum	Cr/Ni/Co/C
FSC-5200	Tungsten Carbide	WC/Co/C/Fe
FSC-5201	Tungsten Carbide (VF)	WC/Co/C/Fe
FSC-5202	Tungsten Carbide (C)	WC/Co/C/Fe
FSC-5210	Tungsten Carbide-Cobalt	WC/Co
FSC-5225	Tungsten Carbide-Cobalt	WC/Co
FSC-5226	Tungsten Carbide (SF)	WC/Co
FSC-5230	Tungsten Carbide-Composite	WC/Co
FSC-5245	Tungsten Carbide-Cobalt	WC/Co
FSC-5250	Tungsten Carbide-Cobalt	WC/Co
FSC-5260	Tungsten Carbide-Nickel/Al	WC-Co/Ni/Cr/Al
FSC-5265	Tungsten Carbide-Self Fusing	WC-Co/Ni/Cr
FSC-5800	Tungsten Carbide-Cobalt	WC/Co
FSC-5801	Tungsten Carbide-Cobalt	WC/Co
FSC-5810	Chrome Carbide-Nickel Chrome	Cr ² C ³ /NiCr
FSC-5815	Chrome Carbide-Nickel Chrome	Cr ² C ³ /NiCr
FSC-5818	Chrome Carbide-Nickel Chrome	Cr ² C ³ /NiCr
FSC-5820	Chrome Carbide-Nickel Chrome	Cr ² C ³ /NiCr
FSC-5825	Tungsten Carbide-Chrome	WC/Co/Cr
FSC-5830	Tungsten Carbide-Chrome Carbide	WC/Cr ² C ³ /Ni
FSC-5835	Tungsten Carbide-Chrome	WC/Co/Cr
FSC-5840	Tungsten Carbide-Nickel	WC/Ni
FSC-5845	Tungsten Carbide-Nickel	WC/Ni
FSC-5850		

CERAMIC OXIDES

FSC-6100	Grey Alumina	AlOxide/TiOxide
FSC-6101	Grey Alumina (SF)	AlOxide/TiOxide
FSC-6102	Grey Alumina (C)	AlOxide/TiOxide
FSC-6105	White Aluminum Oxide	AlOxide/Sioxide
FSC-6110	Alumina Oxide	AlOxide
FSC-6120	Al Oxide-Titanium Dioxide	AlOxide/TiDioxide
FSC-6125	Al-Titanium Composite	AlOxide/TiDioxide
FSC-6126	Al-Titanium Composite (SF)	AlOxide/TiDioxide
FSC-6127	Al Oxide-Titanium Dioxide	AlOxide/TiDioxide
FSC-6310	Chrome Oxide-Titanium Dioxide	TiDioxide/CrOxide
FSC-6200	Titanium Dioxide	TiDioxide
FSC-6300	Chromium Oxide (C)	CrOxide
FSC-6301	Chromium Oxide (F)	CrOxide
FSC-6320	Chromium Oxide-Silica	CrOxide/SiDioxide
FSC-6325	Zirconia-Titanium-Yttria	Zr/Ti/Y
FSC-6400	Zirconium Oxide	ZrOxide/CaOxide
FSC-6410	Zirconium Oxide-Ceramic	ZrOxide/CaCarbonate
FSC-6420	Zirconium Oxide Composite	ZrOxide/YtOxide
FSC-6450	Yttria-Zirconium Oxide	Y/Zr
FSC-6470	Ceria-Yttria-Zirconium Oxide	Ce/Y/Zr
FSC-6500	Magnesium Zirconate	ZrOxide/MgOxide
FSC-6600	Calcium Zirconate	ZrOxide/CaOxide
FSC-6520	Magnesia-Alumina Spinel	AlOxide/MgOxide

CERMETS

FSC-7100	Boron Nitride	Ni/Cr/Fe/Boron Nitride
FSC-7150	Magnesium Zirconate-NiCr	MgZr/NiCr
FSC-7160	Magnesium Zirconate-NiCr	ZrO ₂ /MgO ₂ /NiCr
FSC-7310	Nickel Aluminide	AlO ₂ /NiAl

METAL BLENDS AND COMPOSITES

FSC-8010	Nickel Graphite	Ni/Graphite
FSC-8020	Nickel Graphite	Ni/Graphite
FSC-8030	Nickel Graphite	Ni/Graphite
FSC-8050	Aluminum Graphite Composite	Al/Graphite/Si
FSC-8060	Ni Chrome-Al Bentonite Composite	Ni/Cr/Al/CalcinateBentonite
FSC-8100	High Carbon Iron-Moly Composite	Fe/Mo/C
FSC-8110	High Carbon Iron-Iron Ox Ceramic	Fe/FeOxide/C
FSC-8125	Low Carbon Steel Composite	Fe/Al/Mo
FSC-8130	High Carbon Steel	Fe/Al/Mo/C
FSC-8200	Nickel Aluminide	Ni/Al
FSC-8210	Ni Chrome-Al Composite	NiCr Alloy/Al
FSC-8230	Nickel Chrome Alloy	NiCr/Fe/Si
FSC-8250	Nickel-Aluminum Composite	Ni/Al
FSC-8255	Nickel-Chromium Composite	Ni/Cr/Si/B
FSC-8260	Stainless Composite	Ni/Cr/Al/Mo/Si
FSC-8270	Nickel-Iron-Aluminum	Ni/Fe/Al
FSC-8280	Nickel-Chromium-Aluminum	Ni/Cr/Al/Y
FSC-8281	Cobalt-Chrome-Aluminum	Co/Cr/Al/Y
FSC-8285	High Chromium-Iron-Aluminum-Moly	Cr/Fe/Al/Mo
FSC-8290	Pre-Alloyed Nickel-Aluminum	Ni/Al
FSC-8230	Nickel Chromium Alloy	Ni/Cr/Fe/Si
FSC-8271	Iron-Nickel-Moly Composite	Fe/Ni/Mo/Al
FSC-8300	Aluminum Bronze	Cu/Al
FSC-8400	Moly-Ni-Al Composite	Ni/Al/Mo
FSC-8420	Self-Fusing Moly Blend	Ni/Cr/Mo/Cr/Si
FSC-8430	Self-Fusing High Moly Blend	Mo/Ni/Cr/Si
FSC-8470	Molybdenum Disilicide	Mo/Si/Fe
FSC-8800	Stainless - Type 316	Fe/Cr/Ni
FSC-8805	Aluminum Bronze	Cu/Al/Fe
FSC-8810	Inconel 625	Ni/Cr/Mo
FSC-8812	Inconel 718	Ni/Cr/Nb/Mo
FSC-8815	Hastelloy C-276	Ni/Mo/Cr/Fe/Tu
FSC-8840	Cobalt-Chromium-Moly	Co/Mo/Cr/Si
FSC-8860	Nickel-Chrome-Tungsten-Moly	Ni/Cr/W/Mo/Cu
FSC-8865	Nickel Aluminum Pre-Alloyed	Ni/Al
FSC-8870	Cobalt-Chrome Nickel	Co/Cr/Ni/W

PLASTIC BASED SYNTHETICS

FSC-9010	Polyester	Aromatic Polyester
FSC-9020	Aluminum-Polyester	SiAl Alloy/AromaticPolyester
FSC-9030	Aluminum Bronze-Polyester	AlBronze Alloy/Polyester
FSC-9035	Aluminum Bronze-Polyester	AlBronze Alloy/Polyester