

Ruthenium Demand

'000 oz	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand by Application									
Chemical	164	223	151	139	89	100	273	101	104
Electrical	582	1,272	776	410	336	679	536	361	531
Electrochemical	96	137	62	95	95	124	130	127	125
Other	49	54	69	55	54	42	58	72	68

Total Gross Demand	891	1,686	1,058	699	574	945	997	661	828
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Ruthenium Demand

Tonnes	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand by Application									
Chemical	5.1	6.9	4.7	4.3	2.8	3.1	8.5	3.1	3.2
Electrical	18.1	39.6	24.1	12.8	10.5	21.1	16.7	11.2	16.5
Electrochemical	3.0	4.2	1.9	3.0	3.0	3.9	4.0	4.0	3.9
Other	1.5	1.7	2.1	1.7	1.7	1.3	1.8	2.2	2.1
Total Gross Demand	27.7	52.4	32.9	21.7	17.9	29.4	31.0	20.6	25.8

Totals may not add due to rounding

