

## Changes to Argus Battery Materials effective 4 July 2023

Argus is adding the following codes to the Argus Battery Materials data module. The following PA code details will appear in the DABaM module in the DABaM folder on ftp.argusmedia.com effective 4 July 2023.

PA Code	Time Stamp	Price Type	Continuous Forward	Description	Start Date	Unit	Category	Frequency
PA0039766	0	1	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039766	0	2	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039766	0	8	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039767	0	1	0	Nickel matte payable indicator 70% min Ni cif China	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039767	0	2	0	Nickel matte payable indicator 70% min Ni cif China	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039767	0	8	0	Nickel matte payable indicator 70% min Ni cif China	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039768	0	1	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039768	0	2	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039768	0	8	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039769	0	1	0	Nickel full plate premium ex-warehouse Shanghai imported	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039769	0	2	0	Nickel full plate premium ex-warehouse Shanghai imported	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039769	0	8	0	Nickel full plate premium ex-warehouse Shanghai imported	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039771	0	1	0	Graphite flake 95% min fob China	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039771	0	2	0	Graphite flake 95% min fob China	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Weekly

PA Code	Time Stamp	Price Type	Continuous Forward	Description	Start Date	Unit	Category	Frequency
PA0039771	0	8	0	Graphite flake 95% min fob China	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039772	0	1	0	Graphite flake 95% min ex-works China	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039772	0	2	0	Graphite flake 95% min ex-works China	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039772	0	8	0	Graphite flake 95% min ex-works China	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039773	0	1	0	Manganese dioxide 91% min LMO battery grade ex-works China	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039773	0	2	0	Manganese dioxide 91% min LMO battery grade ex-works China	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039773	0	8	0	Manganese dioxide 91% min LMO battery grade ex-works China	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039774	0	1	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039774	0	2	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039774	0	8	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039777	0	1	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China MTD	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039777	0	2	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China MTD	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039777	0	8	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China MTD	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039778	0	1	0	Nickel matte payable indicator 70% min Ni cif China MTD	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039778	0	2	0	Nickel matte payable indicator 70% min Ni cif China MTD	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly
PA0039778	0	8	0	Nickel matte payable indicator 70% min Ni cif China MTD	04-Jul-2023	pct	->Base metals->Nickel->China	Weekly

PA Code	Time Stamp	Price Type	Continuous Forward	Description	Start Date	Unit	Category	Frequency
PA0039779	0	1	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced MTD	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039779	0	2	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced MTD	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039779	0	8	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced MTD	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039780	0	1	0	Nickel full plate premium ex-warehouse Shanghai imported MTD	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039780	0	2	0	Nickel full plate premium ex-warehouse Shanghai imported MTD	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039780	0	8	0	Nickel full plate premium ex-warehouse Shanghai imported MTD	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Daily
PA0039782	0	1	0	Graphite flake 95% min fob China MTD	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039782	0	2	0	Graphite flake 95% min fob China MTD	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039782	0	8	0	Graphite flake 95% min fob China MTD	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039783	0	1	0	Graphite flake 95% min ex-works China MTD	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039783	0	2	0	Graphite flake 95% min ex-works China MTD	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039783	0	8	0	Graphite flake 95% min ex-works China MTD	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Weekly
PA0039784	0	1	0	Manganese dioxide 91% min LMO battery grade ex-works China MTD	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039784	0	2	0	Manganese dioxide 91% min LMO battery grade ex-works China MTD	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039784	0	8	0	Manganese dioxide 91% min LMO battery grade ex-works China MTD	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Weekly

PA Code	Time Stamp	Price Type	Continuous Forward	Description	Start Date	Unit	Category	Frequency
PA0039785	0	1	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t MTD	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039785	0	2	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t MTD	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039785	0	8	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t MTD	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Weekly
PA0039788	0	1	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China monthly average	04-Jul-2023	pct	->Base metals->Nickel->China	Monthly
PA0039788	0	2	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China monthly average	04-Jul-2023	pct	->Base metals->Nickel->China	Monthly
PA0039788	0	8	0	Mixed hydroxide precipitate (MHP) payable indicator 30-40% Ni cif China monthly average	04-Jul-2023	pct	->Base metals->Nickel->China	Monthly
PA0039789	0	1	0	Nickel matte payable indicator 70% min Ni cif China monthly average	04-Jul-2023	pct	->Base metals->Nickel->China	Monthly
PA0039789	0	2	0	Nickel matte payable indicator 70% min Ni cif China monthly average	04-Jul-2023	pct	->Base metals->Nickel->China	Monthly
PA0039789	0	8	0	Nickel matte payable indicator 70% min Ni cif China monthly average	04-Jul-2023	pct	->Base metals->Nickel->China	Monthly
PA0039790	0	1	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced monthly average	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Monthly
PA0039790	0	2	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced monthly average	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Monthly
PA0039790	0	8	0	Nickel full plate premium ex-warehouse Shanghai Jinchuan-produced monthly average	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Monthly
PA0039791	0	1	0	Nickel full plate premium ex-warehouse Shanghai imported monthly average	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Monthly
PA0039791	0	2	0	Nickel full plate premium ex-warehouse Shanghai imported monthly average	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Monthly

PA Code	Time Stamp	Price Type	Continuous Forward	Description	Start Date	Unit	Category	Frequency
PA0039791	0	8	0	Nickel full plate premium ex-warehouse Shanghai imported monthly average	04-Jul-2023	CNY/t	->Base metals->Nickel->China	Monthly
PA0039793	0	1	0	Graphite flake 95% min fob China monthly average	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Monthly
PA0039793	0	2	0	Graphite flake 95% min fob China monthly average	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Monthly
PA0039793	0	8	0	Graphite flake 95% min fob China monthly average	04-Jul-2023	USD/t	->Minor and specialty metals->Graphite->China	Monthly
PA0039794	0	1	0	Graphite flake 95% min ex-works China monthly average	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Monthly
PA0039794	0	2	0	Graphite flake 95% min ex-works China monthly average	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Monthly
PA0039794	0	8	0	Graphite flake 95% min ex-works China monthly average	04-Jul-2023	CNY/t	->Minor and specialty metals->Graphite->China	Monthly
PA0039795	0	1	0	Manganese dioxide 91% min LMO battery grade ex-works China monthly average	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Monthly
PA0039795	0	2	0	Manganese dioxide 91% min LMO battery grade ex-works China monthly average	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Monthly
PA0039795	0	8	0	Manganese dioxide 91% min LMO battery grade ex-works China monthly average	04-Jul-2023	CNY/t	->Minor and specialty metals->Manganese->China	Monthly
PA0039796	0	1	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t monthly average	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Monthly
PA0039796	0	2	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t monthly average	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Monthly
PA0039796	0	8	0	Manganese dioxide 91% min LMO battery grade ex-works China excl. VAT USD/t monthly average	04-Jul-2023	USD/t	->Minor and specialty metals->Manganese->China	Monthly