Technical Specification

The table below shows the chemical and physical properties of the ISCO standard grade concept.

The chemical composition refers to the magnesia component of the product (without graphite and metal powder).

Specification	MgO	CaO	SiO_2	Fe_2O_3	Al_2O_3	Cr_2O_3	$C_{residual}$	AOX	CCS	AP	BD
Brand	%	%	%	%	%	%	%	type	N/mm^2	%	g/cm3
ISCARBON-912	98.5	0.9	0.4	0.3	0.1	-	12	none	40	4.0	3.05
ISCARBON-914	98.5	0.9	0.4	0.3	0.1	-	14	none	40	4.0	3.03
ISCARBON-912-AS	98.5	0.9	0.4	0.3	0.1	-	12	Al, Si	40	4.0	3.05
ISCARBON-914-AS	98.5	0.9	0.4	0.3	0.1	-	14	Al, Si	40	4.0	3.03
ISCARBON-812	98.0	1.0	0.5	0.5	0.1	-	12	none	40	4.0	3.01
ISCARBON-814	98.0	1.0	0.5	0.5	0.1	-	14	none	40	4.0	2.99
ISCARBON-812-AS	98.0	1.0	0.5	0.5	0.1	-	12	Al, Si	40	4.0	3.01
ISCARBON-814-AS	98.0	1.0	0.5	0.5	0.1	-	14	Al, Si	40	4.0	2.99
ISCARBON-710	97.5	1.2	0.6	0.6	0.1	-	10	none	40	4.0	3.03
ISCARBON-712	97.5	1.2	0.6	0.6	0.1	-	10	none	40	4.0	3.01
ISCARBON-714	97.5	1.2	0.6	0.6	0.1	-	14	none	40	4.0	2.99
ISCARBON-712-AS	97.5	1.2	0.6	0.6	0.1	-	10	Al, Si	40	4.0	3.01
ISCARBON-714-AS	97.5	1.2	0.6	0.6	0.1	-	14	Al, Si	40	4.0	2.99
ISCARBON-610	97.3	1.3	0.6	0.6	0.2	-	10	none	40	4.0	3.02
ISCARBON-612	97.3	1.3	0.6	0.6	0.2	-	12	none	40	4.0	3.01
ISCARBON-614	97.3	1.3	0.6	0.6	0.2	-	14	-	35	4.0	2.96
ISCARBON-508	97.0	1.3	0.6	0.6	0.2	-	10	none	40	4.0	2.99
ISCARBON-510	97.0	1.3	0.6	0.6	0.2	-	10	none	40	4.0	2.98
ISCARBON-512	97.0	1.3	0.6	0.6	0.2	-	10	none	35	4.0	2.96
ISCARBON-408	96.5	1.5	0.7	0.7	0.2	-	8	none	35	4.5	3.01
ISCARBON-410	96.5	1.5	0.7	0.7	0.2	-	10	none	35	4.5	3.00
ISCARBON-412	96.5	1.5	0.7	0.7	0.2	-	12	none	35	4.5	2.96
ISCARBON-308	96.0	1.7	0.8	0.8	0.2	-	8	none	30	5.0	2.98
ISCARBON-310	96.0	1.7	0.8	0.8	0.2	-	10	none	30	5.0	2.96
ISCARBON-208	96.0	1.3	1.4	0.8	0.3	-	8	none	30	5.5	2.98
ISCARBON-210	96.0	1.3	1.4	0.8	0.3	-	10	none	30	5.5	2.96
ISCARBON-108	95.0	1.9	1.4	0.8	0.8	-	8	none	30	6.0	2.88
ISCARBON-110	95.0	1.9	1.4	0.8	0.8	-	10	none	30	6.0	2.86