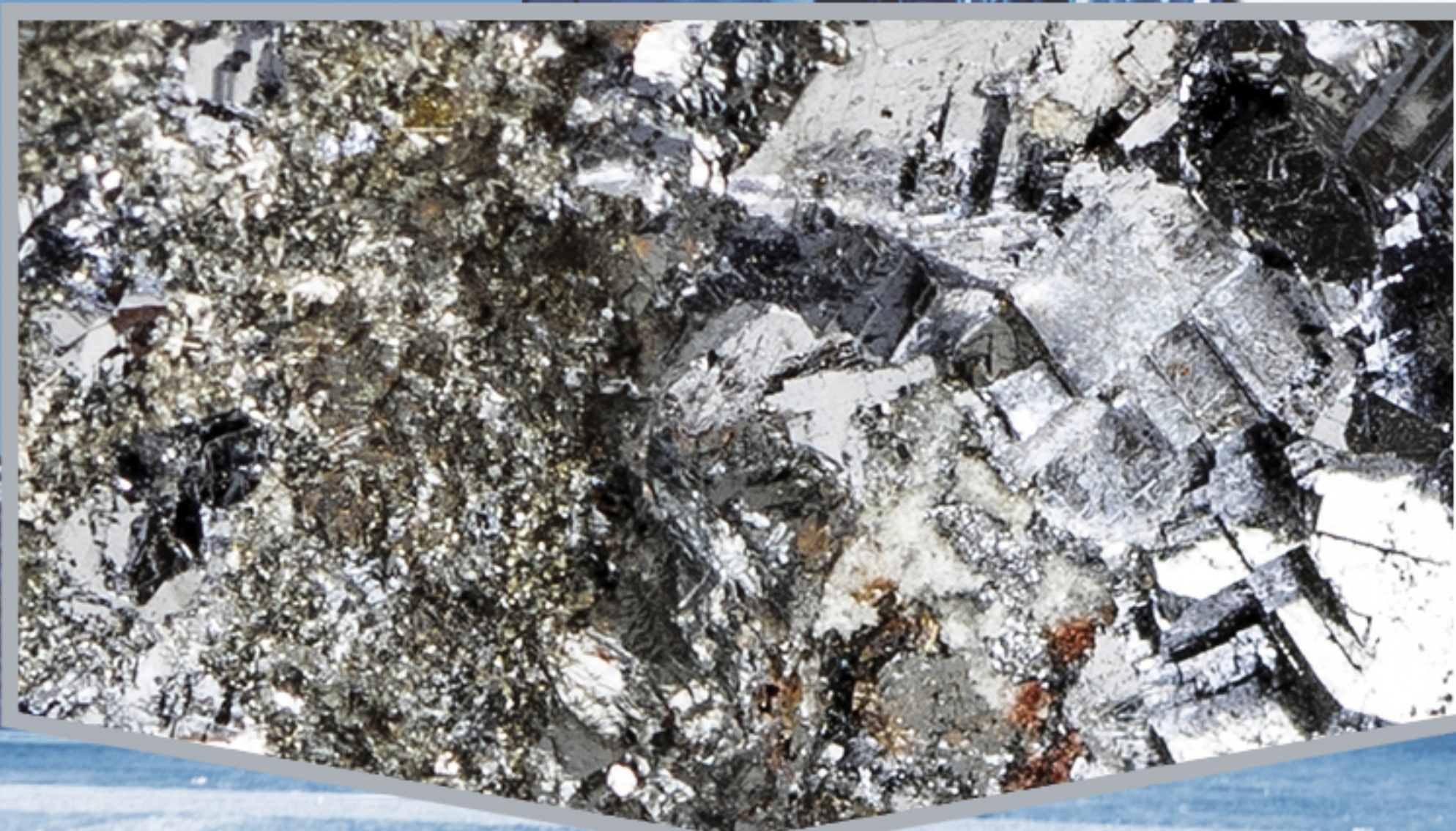




OPTIMA
GROUP

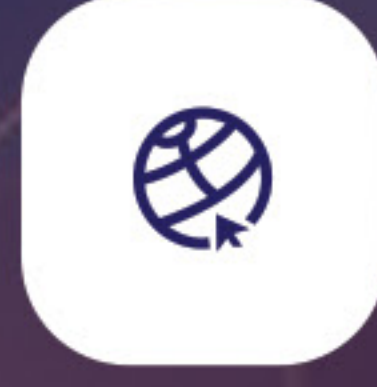


IMPORTING AND
EXPORTING **GOODS**

Contact Us



+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



OPTIMA GROUP

About Optima Group

GET TO KNOW US BETTER

Optima Group is a prominent international trading company based in Istanbul, Turkey, dedicated to delivering high-quality and diverse services in commerce. The company specializes in sourcing goods and services from global suppliers, managing customs processes, and facilitating financial transfers, imports, and exports across various countries, including Iran, Turkey, Iraq, the UAE, Eastern Europe, Montenegro, Albania, Georgia, and Russia

Global Materials & Consulting

Optima Group leverages global partnerships to provide construction materials including stone, tiles, cement, steel, glass, and petrochemicals. Beyond materials, they offer expert consulting in business development, guiding industry expansion. Their primary focus is delivering quality service and ensuring customer satisfaction

Strategy for Growth and Sustainability

With a firm commitment to quality enhancement, Optima Group values client feedback and champions environmental sustainability. Their strategic objectives include expanding their geographic footprint, fostering innovation, and enhancing research and development capabilities for continuous growth



+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



Optima Group Holding Products

THE BEST HOLDING COMPANY

Metal & Steel Products

- Cast Iron
- Copper
- Aluminum
- Angle Iron
- Profiles
- Sheets
- Various Wires
- Railway Rails
- Various Steel Pipes
- Various Steel Sheets
- Alloy Steel CK60
- Alloy Steel CK40

Minerals

- Coal
- Fluorine
- Metallurgical Coke
- Graphite Coke
- Petroleum Coke
- Hot Briquette
- Sponge Iron
- Iron Pellets
- Concentrate

Ferroalloys

- Ferro Silicon
- Ferro Manganese
- FerroSiliconManganese
- Ferro Chrome
- Ferro Molybdenum



+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



OPTIMA GROUP



OPTIMA GROUP

Ferrosilicon

Ferro Molybdenum

Ferromanganese

Ferroalloys are compounds composed of iron and metallic or non-metallic elements, primarily used in the steel and casting industries to enhance the mechanical and chemical properties of metals. The main types of ferroalloys are

- 1-Ferrosilicon (FeSi) – Contains iron and silicon, increasing hardness and wear resistance of steel.
- 2-Ferromanganese (FeMn) – Contains iron and manganese, improving the strength of steel and reducing brittleness.
- 3-Ferromolybdenum (FeMo) – Contains iron and molybdenum, enhancing heat and wear resistance.
- 4- Ferrochrome (FeCr) – Contains iron and chromium, used in stainless steel production and corrosion resistance.
- 5-Ferronickel (FeNi) – Contains iron and nickel, used for producing stainless steel and heat-resistant alloys.
- 6- Ferrovanadium (FeV) Contains iron and vanadium, increasing strength and impact resistance of steel.
- 7-Ferrotitanium (FeTi) – Contains iron and titanium, controlling impurities and improving steel structure.
- 8-Ferroniobium (FeNb) – Contains iron and niobium, used in heat-resistant steel production.
- 9-Ferrophosphorus (FeP) Contains iron and phosphorus, increasing hardness and wear resistance..
- 10-Ferrocium (FeCe) – Contains iron and cerium, used for refining steel and reducing oxygen and sulfur.



+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



OPTIMA GROUP



chemical compounds of ferrosilicon

Grade	Silicon (Si) Content (%)	Iron (Fe) Content (%)	Aluminum (Al) Content (%)	Carbon (C) Content (%)	Phosphorus (P) Content (%)	Sulfur (S) Content (%)
FeSi75	74 - 76	22 - 24	0.5 - 1.5	0.1 - 0.5	0.02 - 0.05	0.02 - 0.05
FeSi65	64 - 66	31 - 33	0.5 - 1.5	0.1 - 0.5	0.02 - 0.05	0.02 - 0.05
FeSi45	44 - 46	51 - 53	0.5 - 1.5	0.1 - 0.5	0.02 - 0.05	0.02 - 0.05



+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



OPTIMA GROUP

Common Chemical Analyses for Ferro Molybdenum



Element	Mo 60-65%	Mo 70-75%
Molybdenum (Mo)	60 - 65%	70 - 75%
Iron (Fe)	Balance	Balance
Silicon (Si)	1 - 2%	1 - 1.5%
Carbon (C)	<0.1%	<0.1%
Phosphorus (P)	<0.05%	<0.05%
Sulfur (S)	<0.1%	<0.1%
Aluminum (Al)	0.5% Max	0.5% Max
Copper (Cu)	0.5% Max	0.5% Max



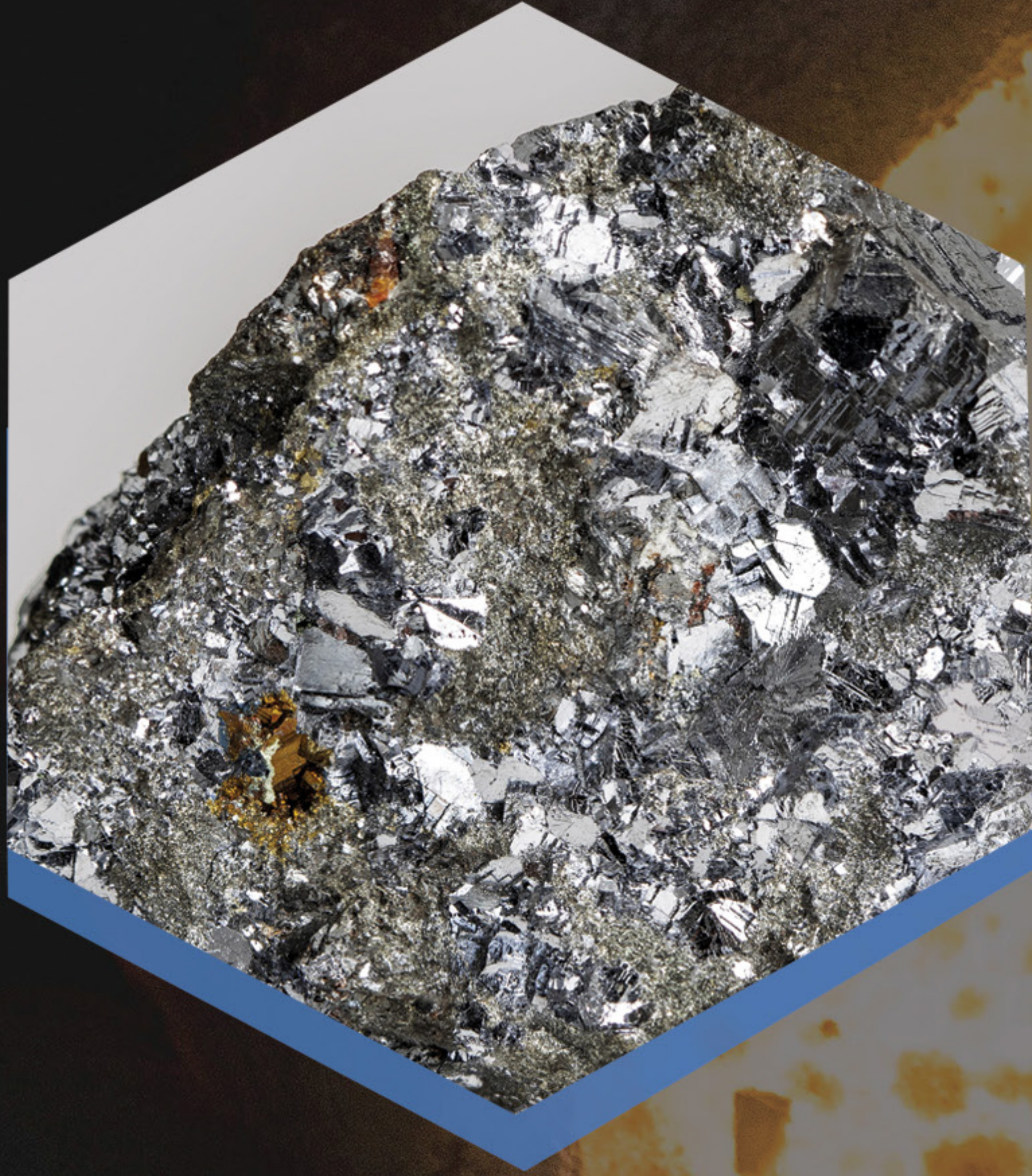
+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



OPTIMA GROUP



Common Chemical Analyses for Ferromanganese

Grade	Manganese (Mn) Content (%)	Carbon (C) Content (%)	Silicon (Si) Content (%)	Sulfur (S) Content (%)	Phosphorus (P) Content (%)
High Carbon	70 - 80	6-8	1.2 - 1.5	0.05 Max	0.25 Max
Medium Carbon	68 - 83	1-2	1.5 - 4	0.025 - 0.03	0.20 - 0.35
Low Carbon	70 - 82	< 1	5-8	0.05 Max	0.25 Max



+90 850 840 1211
+90 532 700 1829
+90 532 623 84 89
+90 532 782 8558



info@optimagroup.com.tr
www.optimagroup.com.tr



OPTIMA GROUP