



RECYCLING & COMPOUND



elmkimya.com



ABOUT US

ELM Kimya is an international company specialized in marketing, distribution, and recycling of plastic raw materials, polymers, and derivatives. Our headquarters is located in Bursa, and we also have an office in Switzerland.

Within the framework of the solid cooperation established with the leading raw material producers of the petrochemical industry, we offer our customers wide range of high quality products with competitive price performance. ELM Kimya carries out the procurement and delivery process of the products in the most effective way in line with the demands of its customers.

ELM Kimya directs its activities with the sensitivity it carries on environment and sustainability. We manage our commercial operations with the value we place to people and society. With this understanding, we have been recycling plastic raw materials since 2018 and contributing to the circular economy as well as to the global economy. More than 25.000 tons of plastic waste is recycled every year by ELM Kimya.

With a dynamic and innovative vision, we closely follow both the regional and global markets, and in this context, we renew our product portfolio every day. ELM Kimya, a member of the Istanbul Chemicals and Chemical Products Exporters' Association, the Swiss Plastics Platform, and the Plastics Innovation Competence Center, contributes to technological innovations and developments in the sector.

QUALITY CONTROL

The quality of our products is guaranteed by testing conducted by our experienced technical team at all stages of production. Since our goal is to keep customer satisfaction at the highest level, all produced products are tested in our laboratory for the last time before delivery.

Standardization of our products is guaranteed by us with the ELM brand.



PRODUCTS

LDPE Products	MFI (190°C/2.16 kg)	Density	Tensile Strength	Elongation at Break
ELM LDPE Natural	0.9 – 1.2 g/10 min	0.92 – 0.94 g/cm ³	≥ 18 MPa	≥ 600 %
ELM LLDPE Natural	2.1 – 2.4 g/10 min	0.92 – 0.94 g/cm ³	≥ 22 MPa	≥ 680 %
ELM LDPE Black	0.6 – 0.8 g/10 min	0.92 – 0.94 g/cm ³	≥ 16 MPa	≥ 520 %
ELM LDPE Blue	0.6 – 0.8 g/10 min	0.92 – 0.94 g/cm ³	≥ 16 MPa	≥ 540 %
ELM LDPE G-056	0.5 – 0.6 g/10 min	0.92 – 0.94 g/cm ³	≥ 24 MPa	≥ 620 %

HDPE Products	MFI (190°C/5 kg)	Density	Ash Content	Color
ELM HDPE 100	0.3 – 0.6 g/10 min	0.94 – 0.96 g/cm ³	≤ 1 %	Black, Blue, Green
ELM HDPE 90	0.8 – 1.2 g/10 min	0.94 – 0.96 g/cm ³	≤ 3 %	Black, Blue, Green
ELM HDPE 80	1.2 – 1.6 g/10 min	0.94 – 0.96 g/cm ³	≤ 5 %	Black, Blue, Green

PP Products	MFI (230°C/2.16 kg)	Density	Impact Strength (23°C)	Ash Content
ELM PP-C 10	9.0 – 13.0 g/10 min	0.92 – 0.96 g/cm ³	≥ 8 kJ/m ²	≤ 7 %
ELM PP-C 20	15.0 – 25.0 g/10 min	0.99 – 1.03 g/cm ³	≥ 25 kJ/m ²	8 – 12 %
ELM PP-C 25	20.0 – 30.0 g/10 min	0.91 – 0.94 g/cm ³	≥ 6 kJ/m ²	≤ 3

PET Products	PVC	Other Plastics	Other Contaminants	Other PET Colors	Total PPM
ELM Clear Flakes	0 / 10	0 / 5	0 / 30	0 / 5	0 / 50
ELM Light Blue Flakes	0 / 50	0 / 10	0 / 60	0 / 30	0 / 150

min / max



Low Density Polyethylene Granules (Recycled LDPE)

LDPE NATURAL



LLDPE NATURAL



LDPE BLACK



LDPE BLUE



LDPE G-056



High Density Polyethylene Compound (Recycled HDPE)

HDPE 100



HDPE 90



HDPE 80



Polypropylene Compound (Recycled PP)

PP-C 10



PP-C 20



PP-C 25



Polyethylene Terephthalate Flakes (Recycled PET)

CLEAR



LIGHT BLUE





FILLER MASTERBATCH



ELM Filler Masterbatch Series are 70% to 80% Calcium Carbonate (CaCO_3) filled Polyethylene (PE) and Polypropylene (PP) compounds.

It can be used up to 60%, depending on the application. In addition to reducing the cost, when used at recommended rates, it increases mechanical performance, reduces static electricity, and helps to decompose in nature.

Suitable for extrusion, injection molding, blow molding, thermoforming, raffia.

Product Codes	Carrier Polymer	CaCO_3 Content	Melt Flow Index (190°C/5 kg)	Density	Moisture Absorption (23°C, 50% Rh)
ELM K7007	PE	70±1 %	1.6 g/10 min	1.72 g/cm ³	< 0.04 %
ELM K7008	PE	75±1 %	1.2 g/10 min	1.82 g/cm ³	< 0.04 %
ELM K7009	PE	80±1 %	0.8 g/10 min	1.92 g/cm ³	< 0.04 %
ELM K8009	PP	80±1 %	1.8 g/10 min	1.85 g/cm ³	< 0.03 %

WHITE MASTERBATCH



Produced with the highest quality TiO_2 , **White Masterbatch** products have high heat resistance, excellent dispersion, and covering power.

It can be used in a wide variety of applications, including extrusion, injection, raffia, blow molding, and thermoforming with polymer types of PE, PP, PS, ABS, PC, PET, PVC, EVA.

DESICCANT MASTERBATCH



In cases where pre-drying is required before using the plastic raw material, it is used to solve moisture and air problems without drying.

Desiccant masterbatches help the final product to be flawless, especially in applications that includes recycled materials and fillers.



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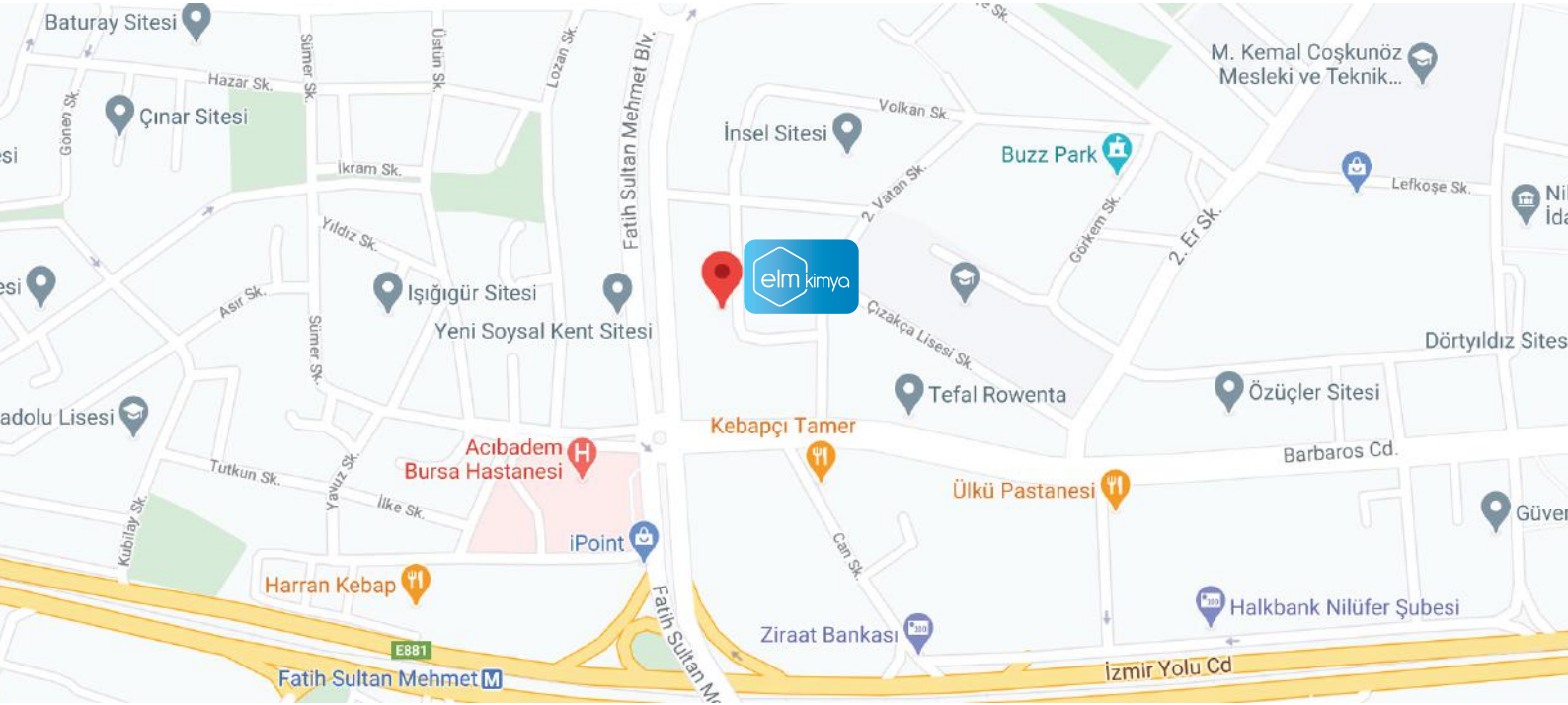
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