



Recycling & Compound



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ABOUT US

ELM Kimya is a company specialized in plastic recycling and compound production. We recycle 2.500 tons of LDPE, HDPE, PP, PET and produce 1.000 tons of masterbatch monthly in our facilities located in Istanbul and Bursa, Turkey.

With our latest technology machinery, combined with long experience in the sector, we provide a wide range of high quality products to many different industrial sectors all around the world.

We as ELM Kimya, are dedicated to be a part of protecting the environment and its sustainability. In that respect, we are doing our part for the “Zero Waste Project” developed by the government in 2018, by recycling and compounding in the most eco friendly way. ELM Kimya is a member of BTSO, IMMIB and have licenses under T.C. Ministry of Environment.



QUALITY CONTROL

The quality of our products is assured by rigorous quality control at each step of the production process by our team of experienced technicians. We ensure that the technical values of each batch are the same by using pre-tested and approved materials.

All final products are tested in the laboratory one last time before being delivered to the customer. We guarantee that our products meet the properties specified within the provided Technical Data Sheets.

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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 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 LLDPE Natural	2.1 – 2.4 g/10 min	0.92 – 0.94 g/cm ³	≥ 22 MPa	≥ 680 %
ELM LDPE G-035	0.3 – 0.5 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	0.2 – 0.6 g/10 min	0.94 – 0.96 g/cm ³	≤ 1 %	Black, Blue
ELM HDPE 80	0.8 – 1.2 g/10 min	0.94 – 0.96 g/cm ³	≤ 3 %	Black, Blue, Green
ELM HDPE 60	1.6 – 2.0 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
ELM PP-H 5	4.0 – 6.0 g/10 min	0.92 – 0.94 g/cm ³	≥ 4 kJ/m ²	≤ 5

PET Products	PVC	Other Plastics	Other Contaminants	Other PET Colors	Total PPM
Clear Flakes	0 / 10	0 / 10	0 / 25	0 / 5	0 / 50
Light Blue Flakes	0 / 50	0 / 20	0 / 50	0 / 30	0 / 150
Green Flakes	0 / 100	0 / 25	0 / 50	0 / 25	0 / 200
Mix Flakes	0 / 100	0 / 50	0 / 100	–	0 / 250

min / max



Low Density Polyethylene Granules (Recycled LDPE)

NATURAL



BLACK



BLUE



LLDPE NATURAL



G-035

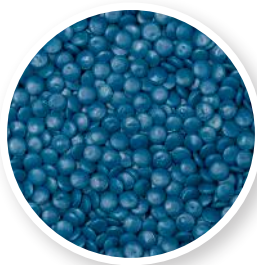


High Density Polyethylene Compound (Recycled HDPE)

HDPE 100



HDPE 80



HDPE 60



Polypropylene Compound (Recycled PP)

PP-C 10



PP-C 20



PP-C 25



Polyethylene Terephthalate Flakes (Recycled PET)

CLEAR



LIGHT BLUE



GREEN



MIX





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