



**KIMIA JAVID**  
**SEPAHAN Co.**

**Enhance**  
Polymer Characteristics

# MASTERBATCH PRODUCTS

- BLOWN FILM
- PIPE EXTRUSION
- WOVEN & NONWOVEN
- POLYOLEFIN SHEET
- INJECTION PART

[www.kimiajavidco.com](http://www.kimiajavidco.com)





**KIMIA JAVID**  
**SEPAHAN Co.**

**KJS** Kimia Javid Sepahan (KJS), one of the subsidiary companies of Modern Product Jahanara (MPJ) Industrial Group, is an innovative knowledge-based company that was established to produce various kinds of polymer compounds in 1998. Currently KJS production capacity is approximately 100,000 tons per year and it has more than 400 employees with an excellent polymer Research center. With having a wide range of products with more than 300 different grades in six major categories as cross-linkable polyethylene, reinforced polymer compounds, coating compounds, functionalized polymers, Masterbatches, and hot-melt adhesives, KJS can provide its customers with the best quality materials. As an innovative, leading, and dynamic, KJS aims to implement novel technologies in the polymer industry. To achieve these goals, the company has successfully received ISO 9001:2015, ISO 29001:2010, ISO 14001:2015, ISO 45001:2008, and ISO IEC 17025 from TUV Austria Cert. Furthermore, All kinds of KJS compounds related to food and hygienic products are certified by the Ministry of Health and Medical Education of Middle East.





## BLACK & WHITE MASTERBATCH

### BLACK MASTERBATCH

The black masterbatches of KJS have been formulated to meet application that are produced following with international standards that provide differentiated performance and reliable quality. Black masterbatches can extend the useful life of pipe, film and other products by protecting against ultraviolet (UV) degradation of the underlying polymer.

While using these masterbatches, customer can:

- Achieve higher color without sacrificing the impact properties
- Lower masterbatch loading in the final compound offeres formulation flexibility to meet customer performance requirements.

Black Masterbatch									
Product Name	Based	Carbon Black content ≈ (%)	Application						Specification
			HDPE Pipe	Film	Irrigation tape	Fitting pipe	Molding	Geomembranes	
Kimcol 5840	PE	42			●				<ul style="list-style-type: none"> <li>▪ Premium masterbatch with excellent carbon black dispersion and uniform particle size</li> </ul>
Kimcol 5842	PE	44			●				<ul style="list-style-type: none"> <li>▪ Premium masterbatch with excellent carbon black dispersion and uniform particle size</li> <li>▪ Easy flow and suitable for fast extruding</li> </ul>
Kimcol 5850	PE	40	●						<ul style="list-style-type: none"> <li>▪ Contains small particle size of carbon blacks</li> <li>▪ Excellent dispersion and jetness properties with perfect Ultra Violet (UV)</li> </ul>
Kimcol 5852	PE	40	●						<ul style="list-style-type: none"> <li>▪ Contains small particle size of carbon blacks</li> <li>▪ Easily incorporated into compounds</li> <li>▪ Critical for achievement of optimal pipe performance</li> </ul>
Kimcol 5857	PE	45		●					<ul style="list-style-type: none"> <li>▪ Excellent carbon black dispersion and uniform particle size</li> </ul>
Kimcol 5858	PE	45		●					<ul style="list-style-type: none"> <li>▪ Excellent carbon black dispersion and</li> <li>▪ Uniform particle size</li> <li>▪ Easy flow</li> <li>▪ High brightness and shining</li> </ul>
Kimcol 5860	PE	40						●	<ul style="list-style-type: none"> <li>▪ Excellent carbon black dispersion and uniform particle size</li> <li>▪ Easy flow</li> </ul>
Kimcol 5861	PP	40				●		●	<ul style="list-style-type: none"> <li>▪ Excellent carbon black dispersion</li> <li>▪ Easy flow</li> <li>▪ Designed for general purpose</li> </ul>
Kimcol 5864	PP	40				●		●	<ul style="list-style-type: none"> <li>▪ Excellent carbon black dispersion and</li> <li>▪ uniform particle size</li> <li>▪ Easy flow</li> </ul>



**BLACK & WHITE MASTERBATCH**  
**WHITE AND FILLER MASTERBATCH**

White masterbatch is a white additive that gives special properties as well as a high level of whiteness to the plastic and the filler masterbatch is used for cost-saving final products. KJS designs and supplies various grades of white and filler masterbatches based on different polymers with high technical and production capabilities.

**White Masterbatch (PE base)**

Product Name	Color	TiO2 ≈ (%)	Application (Recommended)					Specification
			Film Appliances	Injection Molding	Disposable Container	Plastic Sacks	General Purpose	
Kimcol 5403	White	50	●				●	▪ High quality
Kimcol 5410	White	10			●		●	▪ Appropriate characteristics ▪ Cost effective
Kimcol 5421	White	25		●	●	●	●	▪ Appropriate characteristics ▪ Cost effective
Kimcol 5440	White	70	●					▪ Excellent quality & very high opacity
Kimcol 5443	White	45	●					▪ Appropriate quality and blue undertone
Kimcol 5452	White	40	●	●		●	●	▪ Appropriate and specific quality
Kimcol 5461	White	65	●	●			●	▪ Appropriate coloring & specific ▪ high dispersion
Kimcol 5481	White	50					●	▪ Based on high density polyethylene with appropriate quality and opacity

**Filler Masterbatches (PE base)**

Product Name	color	Caco3 ≈ (%)	Application				Specification
			Plastic Sacks	Film Appliances	Injection Molding	General Purpose	
Kimcol 5471	White	70	●	●		●	▪ Cost effective ▪ Fine particle size of Caco3 ▪ High dispersibility ▪ High loading
Kimcol 5475	White	80	●	●	●	●	▪ Cost effective ▪ Fine particle size of Caco3 ▪ High dispersibility

### White Masterbatches (PP base)

Product Name	color	TiO2 % (approx)	Application (Recommended)					Specification
			Film Appliances	Injection Molding	Disposable Container	Plastic Sacks	General Purpose	
Kimcol 5335	White	40			●		●	<ul style="list-style-type: none"> <li>• Appropriate characteristics</li> <li>• Cost effective</li> </ul>
Kimcol 5355	White	60		●	●	●	●	<ul style="list-style-type: none"> <li>• Excellent quality and high opacity</li> </ul>
Kimcol 5361	White	60	●	●		●	●	<ul style="list-style-type: none"> <li>• Appropriate quality and opacity</li> </ul>
Kimcol 5362	White	70	●					<ul style="list-style-type: none"> <li>• Excellent quality and opacity</li> </ul>
Kimcol 5340	White	70	●				●	<ul style="list-style-type: none"> <li>• Excellent quality and high opacity</li> </ul>

### Filler Masterbatches (PP base)

Product Name	color	Caco3 % (approx)	Application				Specification
			Plastic Sacks	Film Appliances	Carton plast	General Purpose	
Kimcol 5373	White	80			●	●	<ul style="list-style-type: none"> <li>▪ Cost effective</li> <li>▪ Fine particle size of Caco3</li> <li>▪ High dispersibility</li> </ul>
Kimcol 5376	White	80	●	●		●	<ul style="list-style-type: none"> <li>▪ Cost effective</li> <li>▪ Fine particle size of Caco3</li> <li>▪ High dispersibility</li> </ul>
Kimcol 5377	White	80				●	<ul style="list-style-type: none"> <li>▪ Cost effective</li> <li>▪ Fine particle size of Caco3</li> <li>▪ High dispersibility</li> <li>▪ Economic grade</li> </ul>





## ADDITIVE MASTERBATCH

Kimia Javid Sepahan Company (KJS) is specialized in precisely modifying the properties of polymers. Kimadd present different grades of additive masterbatch which are used for changing, improving or modifying the specific characteristics in/and after processing. Depending on polymer application, we create concentrates for conditioning plastics with functions such as light resistance, heat resistance, anti-oxidation or anti-static properties.



### Slip Agent Masterbatch

Product Name	Based	Specification
Kimadd 6202	PE	<ul style="list-style-type: none"> <li>▪ Slow migration slip agent use for Blown film</li> <li>▪ Reduce in friction between film layers</li> </ul>
Kimadd 6203	PE	<ul style="list-style-type: none"> <li>▪ Fast migration slip agent use for Blown film</li> <li>▪ Reduce in friction between film layers</li> </ul>

### Anti-Block Masterbatch

Product Name	Based	Specification
Kimadd 6513	PE	<ul style="list-style-type: none"> <li>▪ Use in blown polyethylene film</li> <li>▪ Excellent process ability</li> <li>▪ Facilitated two-layer separation</li> <li>▪ Easiness in rolling films</li> </ul>

### UV-light Stabilizer Masterbatch

Product Name	Based	Application						Specification
		Gunny and jumbo bag	Injection molding products	Agricultural films	Corrugated plastic sheet	PE reservoirs	pipes and fittings	
Kimadd 6992	PP	●	●		●		●	<ul style="list-style-type: none"> <li>Long term UV Resistance</li> <li>Containing Anti-UV and Anti-Oxidant agent</li> </ul>
Kimadd 6996	PE		●	●		●	●	<ul style="list-style-type: none"> <li>Long term UV Resistance</li> <li>Containing Anti-UV and Anti-Oxidant agent</li> </ul>



### Anti-static Masterbatch

Product Name	Based	Application			Specification
		Rotational molding	Sheet and film	Injected article	
Kimadd 6162	PE	●	●	●	<ul style="list-style-type: none"> <li>Prevent of static electricity</li> <li>Reduction in electrical surface resistance</li> <li>Improving the printing quality</li> <li>Avoid sparks</li> </ul>

### Anti-oxidant Masterbatch

Product Name	Based	Application					Specification
		Greenhouse films	Film	Irrigation tape	Drip pipes	Geomembranes	
Kimadd 6103	PE	●	●	●	●	●	<ul style="list-style-type: none"> <li>Increased longevity of polymers</li> </ul>
Kimadd 6105	PE	●	●	●	●	●	<ul style="list-style-type: none"> <li>Appropriate balance of long term heat and processing</li> </ul>
Kimadd 6107	PP		●				<ul style="list-style-type: none"> <li>Improvement in processing stability and prolong the life of final product</li> </ul>

### Flame Retardant Masterbatch

Product Name	Based	Application			Specification
		Electric Application	Automobile parts	pipes and fittings	
Kimadd 6312	PP	●	●	●	<ul style="list-style-type: none"> <li>Excellent process ability</li> <li>Controlling plastics burning behavior</li> <li>Natural color</li> </ul>
Kimadd 6313	PP	●	●	●	<ul style="list-style-type: none"> <li>Excellent process ability</li> <li>High level of efficiency</li> <li>Natural color</li> </ul>
Kimadd 6315	PP	●	●	●	<ul style="list-style-type: none"> <li>Excellent process ability</li> <li>Gray color</li> </ul>
Kimadd 6319	PE			●	<ul style="list-style-type: none"> <li>Excellent process ability</li> <li>High level of efficiency</li> <li>Natural color</li> </ul>

### Moisture Absorbent Masterbatch

Product Name	Based	Specification
Kimadd 6444	PE	<ul style="list-style-type: none"> <li>maximise quality in plastic extrusion and injection processes</li> <li>eliminate moisture</li> <li>Eliminates the drying process for hygroscopic polymers</li> </ul>

Viscos break masterbatches are made by special compound technology. These masterbatches are based on polypropylene resin that used for increasing melt flow rate (MFR) of polypropylene and controlling narrow molecular weight distribution as well.

### Viscos-Break Masterbatch

Product Name	Based	Specification
Kimadd 6805	PP	<ul style="list-style-type: none"> <li>▪ Used for increase fluidity (MFR) of polypropylene</li> <li>▪ High concentrated active substance</li> <li>▪ Suitable for compounding and other extrusion and injection molding</li> </ul>
Kimadd 6815	PP	<ul style="list-style-type: none"> <li>▪ Base on high flow PP resin</li> <li>▪ Suitable for fiber or any kinds of molding processing</li> <li>▪ Used for the production of PP melt-blown fiber</li> </ul>



**Polymer Processing Aid Masterbatch**

Product Name	Based	Application					Specification
		Cable and Wire	PE film	Irrigation tape	Drip pipes	Geomembranes	
Kimadd 6140	PE	●	●	●	●	●	<ul style="list-style-type: none"> <li>Fluoropolymer processing aid</li> <li>Eliminating melt fracture</li> <li>Friction reduction and machinery life extension</li> </ul>
Kimadd 6141	PE			●	●	●	<ul style="list-style-type: none"> <li>Improve the processability</li> </ul>

**Optical Brightener Masterbatch**

Product Name	Based	Specification
Kimadd 6640	PE	<ul style="list-style-type: none"> <li>Excellent process ability</li> <li>Increasing luster of black and color articles</li> <li>Physical and luminous properties improvement</li> </ul>



**SELECTED CERTIFICATES**



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