



PLUS POLYMER
ONE DAY, IT WAS A DREAM

PLUSPOLYMER

ADVANCED POLYMERIC MATERIALS

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About us

Plus Polymer was founded in 2017 in light of years of research and development to raise technical knowledge and polymer product quality. To improve the properties of polymer products, it has assembled a professional, young, motivated, and innovative team who employ the latest equipment and a scientific and innovative approach in developing advanced masterbatches and compounds. Plus Polymer's advanced and commercialized technologies improve the mechanical properties of polymer compounds, eliminate shrinkage and distortion, and reduce final product weight. To put the latest discoveries of polymer specialists and researchers into practice, Plus Polymer covers a wide range of industries, such as producers of various plastic parts, equipment, and household appliances, the automotive industry, the construction industry, and the other industries that deal with polymer compounds.

Plus Polymer's major achievements and services include reducing part production and cooling time and raw material consumption, introducing materials with enhanced and advanced properties, and providing engineering and consulting services in selecting and using the right raw materials.

Plus Polymer's technologies and achievements can be divided into several general categories:

Improving the bending strength of polymer parts and products.

Improving the impact resistance of polymer parts and products.

Eliminating the shrinkage and distortion of plastic products.

Improving processability and production speed.

Reducing the use of raw materials.

Lightening polymer products.

Offering advanced additives to solve the polymer industry's problems.





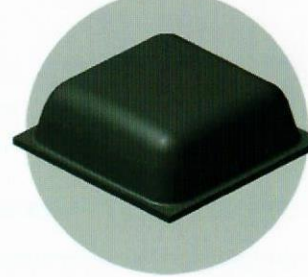
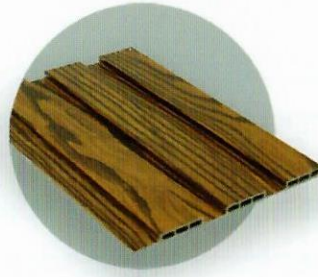
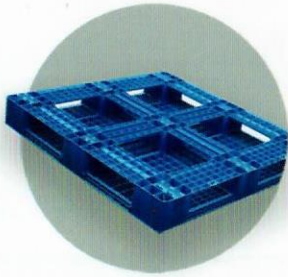
□ The Innovation House's slogan is based on four principles :

Product innovation, careful selection, agile problem-solving, and product and production quality. Based on these principles and the research and development team's efforts, the Innovation House seeks to achieve important and valuable objectives. While on the path to development, the Innovation House supports the plans and ideas of polymer industry elites and experts to achieve their creative goals and projects and help commercialize their products.



□ Innovation House:

Plus Polymer Innovation House is the heart of innovative products that are produced during research and development. In this way, polymer products are designed, formulated and prototyped and finally added to the company's production portfolio. With specialists in polymer, mechanics, construction, production, material, and other fields from top Iranian universities, the research and development department seeks to develop new innovative products to overcome challenges in plastic industries and manufacture imported raw materials and products domestically.



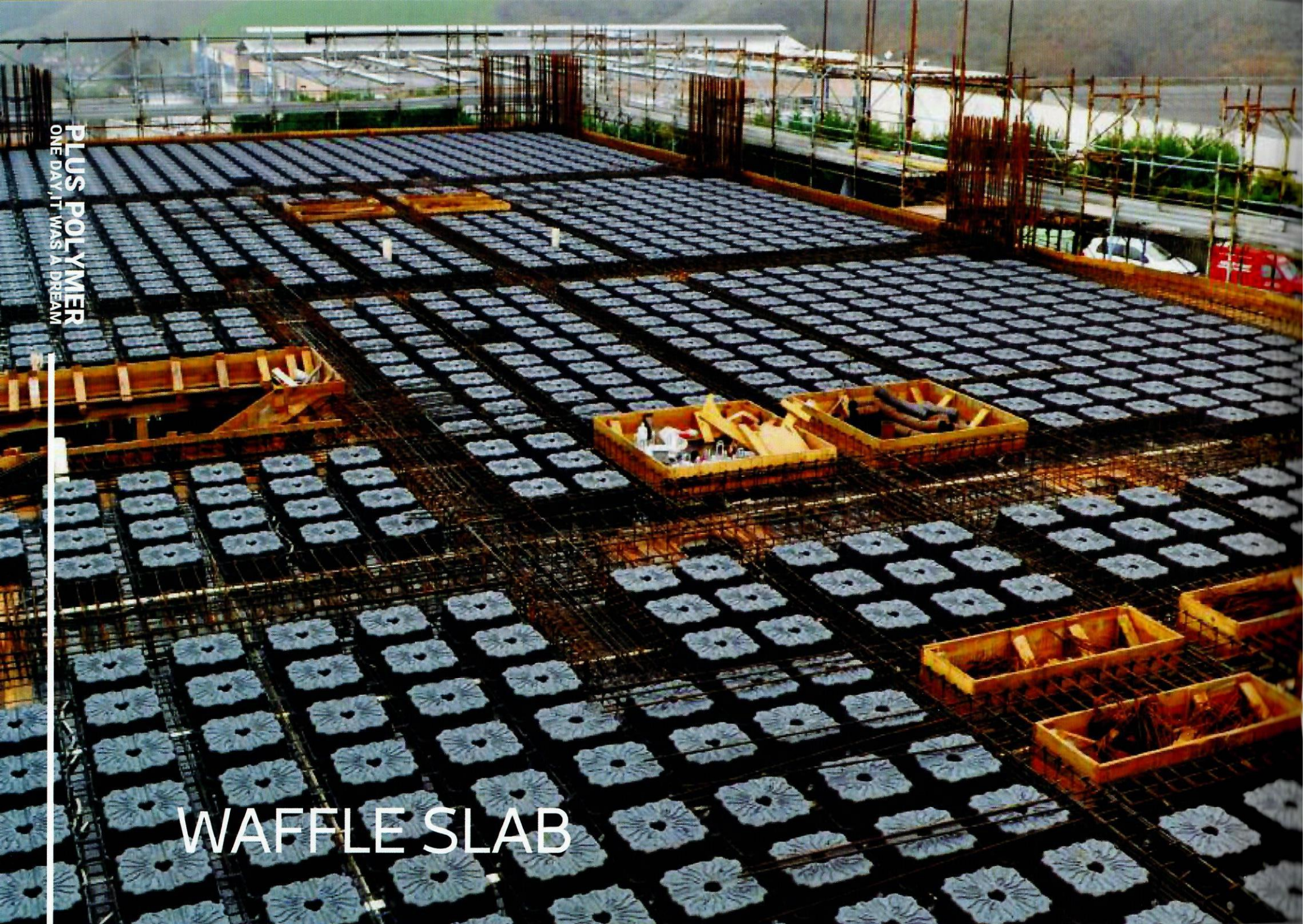
□ Polymer compounds: By producing high quality products, a uniform mix of raw petrochemicals, and the highest quality additives in the polymer industry, Plus Polymer produces engineering polymer compound based on polyethylene, polypropylene, and others with advanced formulation and high-quality raw materials. This is aimed at improving product resistance and strength for manufacturing products in various industries, such as pallets, construction waffle slabs, unbreakable chairs, and more with plastic molding, as well as plastic containers and other products made through blow molding. We are proud that large industries and major brands use Plus Polymer's engineering compound to produce final plastic products, and we are always offering newer products in the polymer blend industry.

Production House:

The production department has the latest equipment and skilled human resources specializing in the manufacturing process and quality control of raw materials and final products. The production department has received the ISO and quality and health control certifications, and designs and implements all related processes according to the latest methods and guidelines. The production department is producing products round the clock with 10,000 tons of annual granule, compound, and polymer additive output, which will reach 50,000 tons in the future development plans.

□ Polymer Additives: Plus Polymer's masterbatches or additives are based on the latest developments and research and development at the Plus Polymer Innovation House. Plus Polymer produces the important high-quality and effective additives used in the plastic and polymer industry, such as colored masterbatches and other polymer additives such as calcium carbonate, antioxidant, antibacterial, and more. At Plus Polymer, we are committed to engineering, designing, and producing additives based on the polymer industry's needs to address its challenges.





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WAFFLE SLAB



□ Plus Polymer:

Some of our products, the advanced and engineering granules and compounds, fall under the company's main brand, Plus Polymer. As our main identity, Plus Polymer has been with us since the beginning and represents our history. The compound produced under the Plus Polymer brand are designed for a variety of specialized applications in polymer or specialized industries to address a demand or problem. This section will introduce the main brand's products, including light and unbreakable pallet blend, unbreakable and strong stadium and public seats blend, non-distorting and unbreakable compound waffle slabs, and strong and unbreakable plastic containers.



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		TDS	
PLUS 5 PL 2301	Pallet	Properties	Engineering compound with good stiffness, high impact strength and very low shrinkage
		Color	Blue
		MFI	3
		Density	1.15
		Paking	Jumbo Bag
		Application	Pallet

		TDS	
PLUS 5 WI 2304	Waffle slab	Properties	good stiffness, high impact strength
		Color	White
		MFI	4
		Density	1.1
		Paking	Jumbo Bag
		Application	Waffle slab

		TDS	
PLUS 7 CN 2301	Stadium Seat	Properties	Unbreakable, High-impact resistant
		Color	Selective
		MFI	3
		Density	0.94
		Paking	Jumbo Bag
		Application	Stadium Seat

		TDS	
PLUS 7 BM 2022	Small containers	Properties	high impact strength and good stress cracking resistance and high stiffness
		Color	Natural
		MFI	0.35
		Density	0.95
		Paking	Jumbo Bag
		Application	Blow moulding applications

PLUS ADD A.O 2022

ANTI-OXIDANT MASTERBATCH

TDS	
PROPERTIES	Excellent protection against thermal and chemical degradation of polymer during processing
COLOR	Colorless
MFI	5
DENSITY	0.95
PAKING	25 kg/bag
PROCESSING	Injection molding Extrusion
METHOD	

PLUS ADD A.B 2022

ANTIBACTERIAL MASTERBATCH

TDS	
PROPERTIES	Spectrum antibacterial capability, permanent antibacterial effect high, efficient antibacterial effect
COLOR	Colorless
MFI	6
DENSITY	0.94
PAKING	25 kg/bag
APPLICATION	Sanitary equipment Melt blown

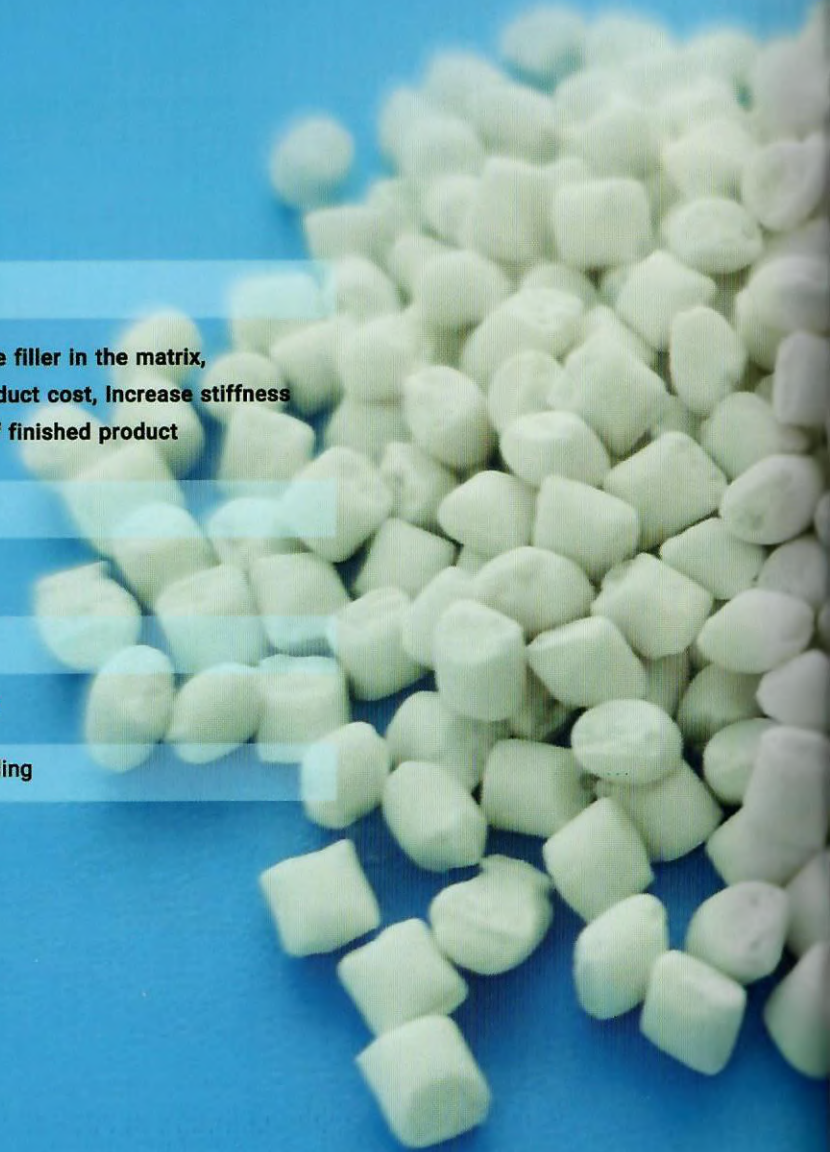
□ PlusAdd: Our polymer additives are made on the latest production lines based on science and technology, and are offered to domestic and international markets under the PlusAdd brand. Producing one of the most important materials used in the polymer industry and complementary petrochemical industries, this department offers various additives in its portfolio.

With the marketing team's identification of problems and assessment of market needs and the research and development team's efficiency control, we have always selected internationally-competitive products that meet the market's needs. This section will introduce PlusAdd's products, including antioxidant, anti-bacterial, calcium carbonate, and MFI modifier.

PLUS ADD C.C 2022

CALCIUM CARBONATE MASTERBATCH

TDS	
PROPERTIES	The excellent dispersion of the filler in the matrix, Increase of productivity, Decrease product cost, Increase stiffness and dimensional stability of finished product
COLOR	White
MFI	-
DENSITY	1.99
PAKING	25 kg/bag
PROCESSING METHOD	Injection molding





PLUS ADD M.M 2022

MFI MODIFIER

TDS	
PROPERTIES	Product increases the MFI of polypropylene
COLOR	Colorless
MFI	≥1500
DENSITY	0.92
PAKING	25 kg/bag
APPLICATION	Melt blown



PlusMed:

Medical equipment are essential to medical diagnosis, treatment, and education.

Having sufficient and high-quality medical equipment in medical centers improves their services and performance. Some medical equipment are polymer-based, and there is a rapidly growing global demand for these products. With a focus on medical equipment, Plus Polymer has launched a unit for producing the materials and compounds for the medical industry.

These products offered to the market under the PlusMed brand have demonstrated competitiveness with foreign products.

The following PlusMed products include COMPOUNDS for producing various melt-blown fabrics, blends for producing advanced industrial masks, and smart blends for producing radiotherapy masks and orthopedic splints.



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PLUS TPS 2022

THERMOPLASTIC SHEET

TDS

PROPERTIES	NON-STICK DESIGN, 100% MEMORY WITH CONTROLLED SHRINKAGE, QUICK & SIMPLE	
COLOR	Selective	
MFI	8	
DENSITY	1.1	
PAKING	10 Piece/Box	
APPLICATION	RADIATION ONCOLOGY	PHYSICAL REHABILITATION

PLUS MB 1500

MELT BLOWN

TDS	
PROPERTIES	EASY MELT BLOW PROCESSING, COMPLETELY SOFT SURFACE, HIGH TENSILE STRENGTH & TEAR RESISTANCE
COLOR	COLORLESS
MFI	1500
DENSITY	0.9
PAKING	25 KG/BAG
APPLICATION	NONWOVEN FABRIC

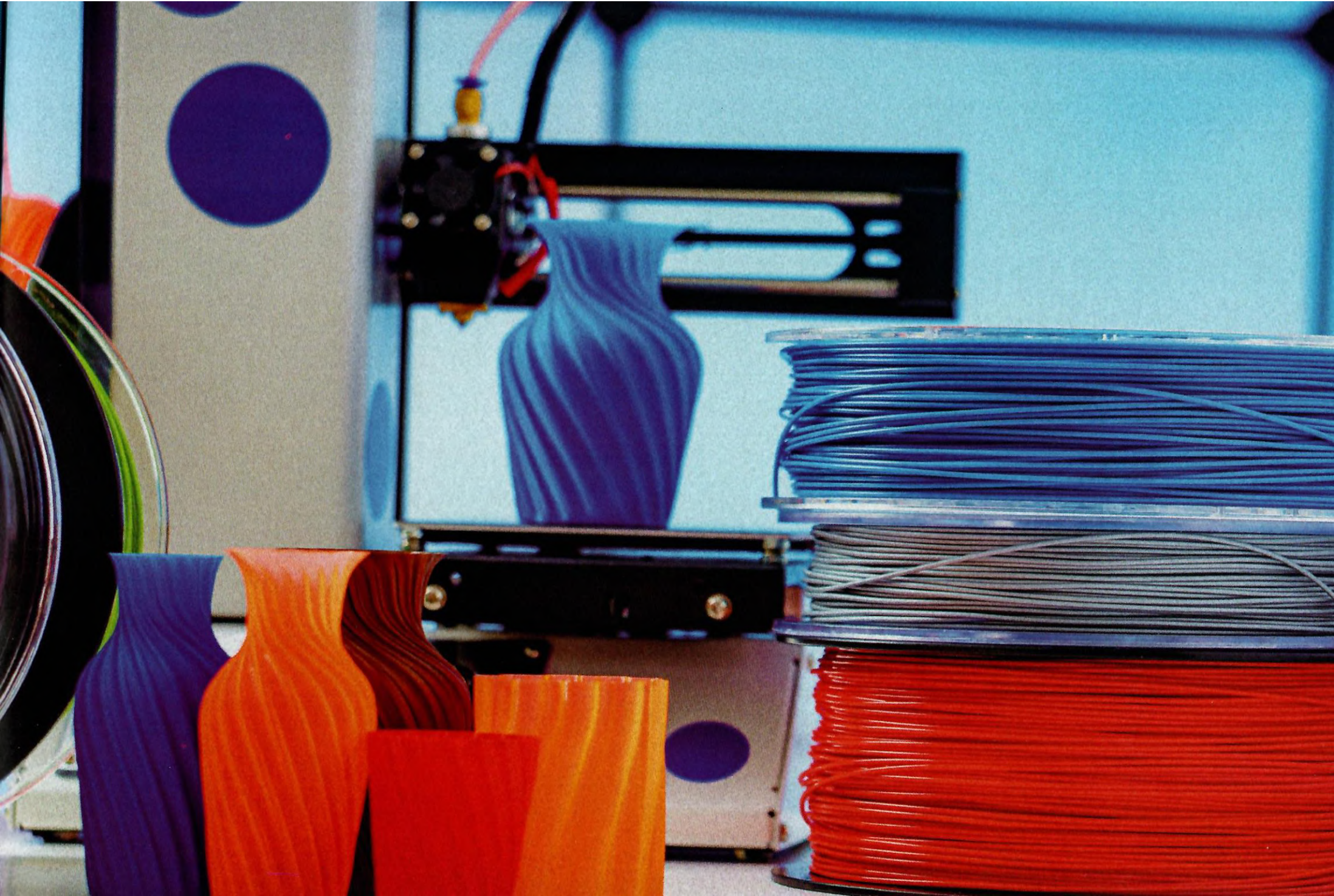
PLUS I.M 2022

INNOVATIVE RESPIRATORY MASK

TDS	
PROPERTIES	ANTI-DUST-SMOG-VIRUS-POLLEN
COLOR	WHITE (SHELL)
MFI	150 (SHELL)
DENSITY	0.94 (SHELL)
PAKING	20 MASKS/BOX
APPLICATION	PERSONAL MASK PROTECTIVE

Plus3D: The fourth industrial revolution is intertwined with 3D printers. The world is rapidly moving towards 3D printing industrial parts and even household items, and it won't be long until 3D printers become ubiquitous in most countries. However, this machine is useless without printing raw materials. Therefore, producing high-quality and effective raw materials for these printers is an important issue. Based on its business model, Plus Polymer seeks to design, engineer, and produce polymer filaments for 3D printers. Like other products, Plus3D categorizes and offers these products with a separate executive and production team. The product made in this department, the ABS-based 3D printer filament, will be introduced in the following:

PLUS 3D ABS 2022	ABS FILAMENT	TDS	
		PROPERTIES	High toughness, High impact resistance, Low cost, Sturdy and durable
		COLOR	Selective
		MFI	12
		DENSITY	1.04
		PAKING	1kg/spool
APPLICATION	FDM 3D Printing		





□ PlusLoop

Every year, 400 million tons of plastic is produced globally on average, which was only about 1.5 million tons back in 1950! The 400 million tons of plastic is mainly used in packaging, the construction industry, vehicles, electronics, and other fields, creating millions of tons of plastic waste every year. Herein lies the important point: This waste should no longer be considered waste, but a valuable commodity, especially given the world's dwindling resources. The polymer industry of large and advanced countries is evolving towards a circular economy, which considers the efficient use of resources and recycled plastic an important economic value. Plus Polymer is committed to research and develop solutions to turn these valuable resources left in nature into quality products, returning them to the economic cycle. PlusLoop, our circular economy brand, is producing and offering high-quality recycled goods that match new products. We are proud to introduce these products used to make various pallets, box pallets, and construction waffle slabs.

PLUS PL8 2022

TDS	
PROPERTIES	High toughness, High impact resistance, Cost-effective
COLOR	Blue
MFI	4
DENSITY	0.98
PAKING	Jumbo Bag
APPLICATION	Waffle slab Pallet

PLUS PL6 2022

TDS	
PROPERTIES	Good stiffness and medium strength
COLOR	Black
MFI	3
DENSITY	1.2
PAKING	Jumbo Bag
APPLICATION	Waffle slab Pallet

PLUS PL4 2022

TDS	
PROPERTIES	Good stiffness and high impact strength
COLOR	white
MFI	3.5
DENSITY	1.1
PAKING	Jumbo Bag
APPLICATION	Waffle slab Pallet





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ADDRESS:NO.12,AT THE END OF SHAGAIG ALLEY,
ENGHELAB ST.,AHMEDABAD MOSTOFI,TEHRAN

WWW.PLUSPOLYMER.IR

CALL:+989196124208

