



Matin polymer industries



صنایع پلیمری متین

تولید کننده کامپاند های پلی اتیلن و پلی پروپیلن

www.Matinpolyco.com

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ABOUT US



Matin Polymer Industries Company, by producing polyethylene and polypropylene compounds, utilizes modern technologies and the technical expertise of its specialists to offer high-quality products for various industries. Relying on innovation, strict quality control, and the use of premium raw materials, we have managed to achieve a distinguished position among our customers.

Today, the concept of testing has evolved with the emergence of new sciences and technologies. Unlike in the past, when it was solely used for product testing and quality control after production, it has now become an integral part of research and development, product design, and the manufacturing process.

Our research team, equipped with technical expertise and essential skills, is ready to provide various services such as material analysis and the preparation of technical documentation for our customers.

Our services

- The production of various polymer compounds based on polyethylene (PE) and polypropylene (PP).
- A variety of products based on the needs of customers in various industries, including automotive, home appliances, packaging, and construction.
- Providing consultancy services in material formulations, processes, and production equipment.

شرکت صنایع پلیمری متین با تولید کامپاندهای پلی اتیلن و پلی پروپیلن، با بهره‌گیری از فناوری‌های نوین و دانش فنی متخصصان خود، به ارائه محصولات با کیفیت برای صنایع مختلف می‌پردازد. ما با تکیه بر نوآوری، کنترل دقیق کیفیت و استفاده از مواد اولیه مرغوب، توانسته‌ایم جایگاه ویژه‌ای در بین مشتریان خود به دست آوریم.

امروزه مفهوم آزمایش با ظهور علوم و فنون جدید تغییر کرده و برخلاف گذشته که صرفاً جهت تست و کنترل کیفی محصول پس از تولید به کار برده می‌شد، اکنون بخش جدایی ناپذیری از تحقیق و توسعه، طراحی محصول و فرایند تولید شده است. تیم تحقیق ما بر پایه دانش فنی و مهارت‌های لازم، آماده ارائه خدماتی مختلفی مانند آنالیز مواد و تهیه مستندات فنی برای مشتریان می‌باشد.

عمده ترین خدمات ما عبارت است از:

- تولید انواع کامپاندهای پلیمری بر پایه پلی اتیلن (PE) و (PP)
- تنوع محصولات بر اساس نیاز مشتریان در صنایع مختلف از جمله خودروسازی، لوازم خانگی، بسته‌بندی و ساختمانی.
- ارائه خدمات مشاوره در ترکیبات مواد، فرایندها و تجهیزات تولید

HDPE - Rotational Molding



HDPE - 3840 UA

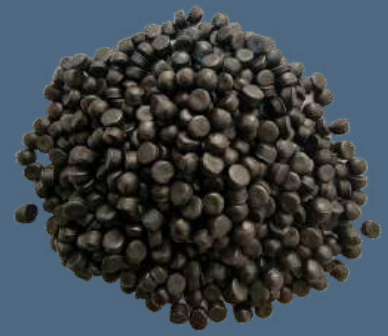
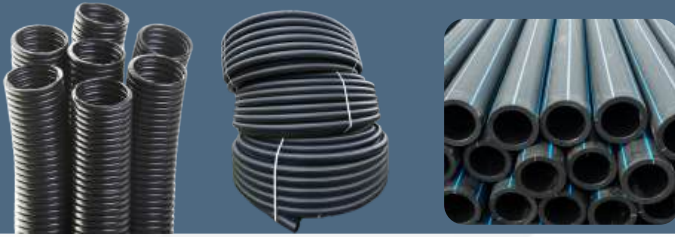
Rotational Molding

HDPE (HIGH-DENSITY POLYETHYLENE) ROTATIONAL MOLDING, IS A MANUFACTURING PROCESS USED TO CREATE HOLLOW PLASTIC PRODUCTS FROM HDPE. IT INVOLVES HEATING A PLASTIC RESIN INSIDE A MOLD THAT IS CONTINUOUSLY ROTATED ALONG TWO PERPENDICULAR AXES. THE MELTED PLASTIC COATS THE INTERIOR OF THE MOLD, FORMING THE DESIRED SHAPE. ONCE COOLED, THE SOLIDIFIED PLASTIC IS REMOVED FROM THE MOLD.

High Density polyethylene Rotational Molding

Type	HDPE . Rotational Molding	HDPE . Rotational Molding
code	HDPE - 3840 UA	HDPE - 3840 UA
PERFORMANCE	High quality	Economic
color	Base of costomer damand	Base of costomer damand
mfi (190°C/ 2.16Kg)	> 5 gr/10Min	6 gr/10Min
density	0.94	0.94
Flexural Modulu	900 MPa	900 MPa
Tensile Strength at yield	14 MPa	14 MPa
Elongation at Break	800 %	800 %
Charpy Impact Strength	17 Kj/m ²	17 Kj/m ²
applications	tanks . Large agricultural tanks . Potable water tanks	tanks . Large agricultural tanks . Potable water tanks

HDPE - CPR 100 Extrusion



High Density polyethylene Extrusion

Type	HDPE . Extrusion	HDPE . Extrusion
code	HDPE - CPR 100	HDPE - CPR 100
PERFORMANCE	High quality	Economic
color	Natural/black	Natural/black
mfi (190°C/ 5Kg)	≥ 0.3 gr/10Min	0.4 gr/10Min
density	0.955 ± 0.005	0.955 ± 0.005
OIT	>30 Min	>30 Min
Hydrostatic strength	4500 h (4.5 n/mm ²)	4000 h (4.5 n/mm ²)
Notched impact	23 mj / mm ²	23 mj / mm ²
applications	Drinking water and gas pipes , Discharge pipes	Drinking water and gas pipes , Discharge pipes

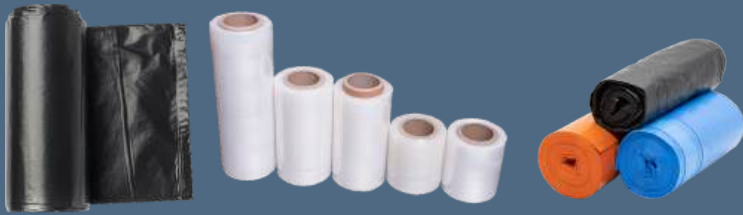
HDPE - Injection



High Density polyethylene Injection Molding

Type	HDPE - Injection	HDPE - Injection
code	Base polymer: HDPE - 62n07 Custom Compound Production	Base polymer: HDPE - 52518 Custom Compound Production
color	Natural	Natural
MFI (190°C/ 2.16 KG)	7 gr/10Min	18 gr/10Min
Density	0.96	0.96
Applications	Pallets , Seats , crates	Thin walled foam , containers , general purpose

HDPE . Blown film



High Density polyethylene Blown film

Type	HDPE . Blown film	HDPE . Blown film	HDPE . Blown film
code	Base polymer: HDPE - 5110 Custom Compound Production	Base polymer: HDPE - F7000 Custom Compound Production	Base polymer: HDPE - EX5 Custom Compound Production
color	Natural / Base of costomer damand	Natural / Base of costomer damand	Natural / Base of costomer damand
mfi (190°C/ 2.16 Kg)	0.8 ± 0.1 gr/10Min	0.4 gr/10Min	0.2 0.4 gr/10Min
density	0.945 ± 0.005 g/cm ³	0.96 g/cm ³	0.96 g/cm ³
applications	packaging bags	Trash bags , Ultra-thin film	Film Extrusion , Wrapping Films

LDPE . Blown film



LOW Density polyethylene Blown film

Type	LDPE . Blown film	LDPE . Blown film	LDPE . Blown film
code	Base polymer: LDPE - 2119 Custom Compound Production	LDPE - 0075 Custom Compound Production	LDPE - 020 Custom Compound Production
color	Natural / Base of costomer damand	Natural / Base of costomer damand	Natural / Base of costomer damand
mfi (190°C/ 2.16 Kg)	1.6 ± 0.1 gr/10Min	0.9 ± 0.1 gr/10Min	1.9 ± 0.1 gr/10Min
density	0.925 ± 0.005 g/cm ³	0.92 ± 0.005 g/cm ³	0.93 g/cm ³
Tensile Strength at break MD/TD	34/20 MPa	16 MPa	16 MPa
Tensile Strength at yield	10 MPa	-	-
Elongation at Break MD/TD	> 550 / >200 %	> 300 / >500 %	300 / 600 %
applications	General Purpose Films , Laminations	packaging bags , Dust bin Liner	General Purpose bags, blow films , packaging



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