



RECYCLE



LET'S SAVE THE WORLD TOGETHER

GEZSAN

PLASTIK

2022

PE RECYCLED GRANULE PRODUCTION FACTORY



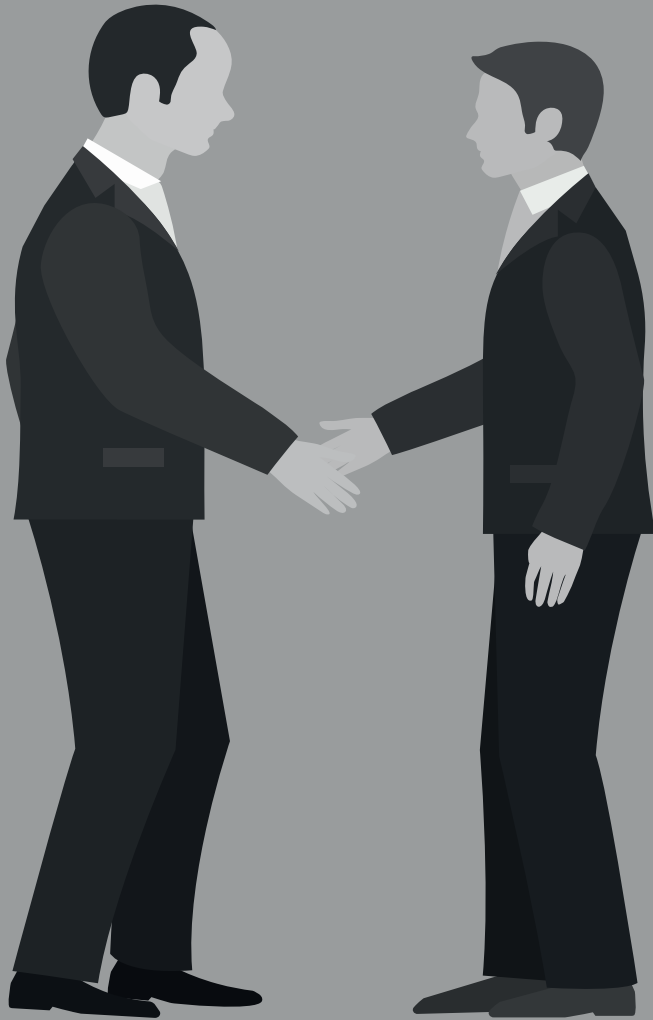
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ABOUT US

“Use Recycled Products For A Green World”

”

Gezsan Plastik Sanayi Tic.Ltd.Şti. started production with its new name in 2017 and produces 1000 tons of granules per month. It has increased its production and quality to the best level with its 5000 m² closed area and accordingly new machinery and equipment investments in Iskenderun Organized Industrial Zone. The most advanced and European technologies are used in production. Our machine park is constantly renewed. Materials procured from the country and abroad are drawn separately and first class recycled granule raw materials are produced after passing the necessary laboratory tests. Its customer portfolio includes hose, packaging, Steel Pipe and Polyethylene Pipe manufacturers, and drip irrigation system manufacturers.

WE EXIST TO BE THE BEST

VISION

To maintain its position as a leading, innovative and reliable manufacturer, to continue to be a strategic solution partner by adding value to its customers.

MISSION

To shape the sector we are in and to create sustainable value for our stakeholders with our educated and highly committed employees, our innovative products that we produce with up-to-date technology, our quality that we ensure continuity, our fast service and customer satisfaction in our focus.

VALUE





Production Stages



01

TO COLLECT
AND
TO SEPARATION

02

CRUSHING

03

AGROMEL
MAKING

04

EXTRUSION

05

PACKING
AND
LOJISTIC



GEZ-017C HDPE
GEZ-017F LDPE



GEZ-018 LDPE
GEZ-017C LDPE



GEZ-017F LDPE
GEZ-017C LDPE



GEZ-018 HDPE
GEZ-017C LDPE



GEZSAN
PLASTIK

TECHNICAL DATA SHEET

Product Name

GEZSAN - HDPE

Commercial Name

GEZ-018

Color Option Description Application

Black - Yellow

GEZ-018 HDPE is a high density polyethylene compound and is available in color options

GEZ-018 HDPE is recommended for use as a top coat in typical three layer PE (3LPE) coating application for steel pipes.

Physical Properties

Property	Typical Value	Reference Test Method
Density (Compound)	> 930 kg/m ³	ISO 1183-1, Method A
Melt Flow Rate (190°C/2,16 kg)	>0,45g/10min	ISO 1133-1, Method B
Melt Flow Rate (190°C/5,0 kg)	>1,8 g/10min	ISO 1133-1, Method B
Tensile Strength at Break(50 mm/min) (23° C))	> 500 %	ISO 527-2
Tensile Strength at Yield(50 mm/min) (23°C)	15 MPa	ISO 527-2
Carbon Black Content	> 2 %	ISO 6964
Carbon Black Dispersion	< 3	ISO 18553
Hardness, Shore D	> 55	ISO 868
Moisture	< 500 ppm	ISO 62

Processing / Extrusion Recommendations

GEZ-018 HDPE can be applied by flat-head die extrusion. The processing conditions mentioned below are recommendations and should be adapted to the specific extrusion equipment used. Detailed recommendations can only be made when extrusion equipment and application are known. Please contact GEZSAN PLASTIK for more information.

Barrel (cylinder) zones	180°C – 240°C
Screen (exit zone)	210°C – 240°C
Connector zones	210°C – 240°C
Die zones	210°C – 240°C
Melt temperature	210°C – 240°C



TECHNICAL DATA SHEET

Product Name

GEZSAN - HDPE

Commercial Name

GEZ-018

Specifications	<p>GEZ-018 HDPE is intended to meet the requirements of the following national and international standards when used with adhesive on powder epoxy and when the correct process, application and quality control procedures are followed by the applicator.</p> <p>NF A 49710 DIN 30670 ISO 21809-1 Class B DEP 31.40.30.31 GEN</p>
Storage	<p>GEZ-018 HDPE shall be stored indoors, in dry conditions at temperatures between -10°C and +50°C, protected from UV light in. Improper storage can initiate degradation and negatively influence the physical properties of this product. Shelf life is 12 (twelve) months from the production date.</p>
Safety	<p>GEZ-018 HDPE is not classified as a dangerous material. Material Safety Data Sheet is available on request. Please contact GEZSAN PLASTIK for more information.</p>
Packing	<p>GEZ-018 HDPE Standard packaging 1200 – 1300 kg big bags on pallet 24 – 27 ton bulk</p>
Disclaimer	<p>All information contained in this document is to the best of our knowledge accurate and reliable as from the date of publication however we do not presume any liability for exactness and/or entirety of this information. All information contained in this document is obtained by test performances and trials carried out by our laboratories. GEZSAN PLASTIK will issue no warranties which reach beyond information contained in this document and no information contained in this document will create any warranty for any other exceptional purpose. The product mentioned in this document should not be used for healthcare, medical or pharmaceutical applications. GEZSAN PLASTIK cannot accept any liability in respect of handling, processing or usage of the product mentioned in this document which must be in all situations executed in accordance with all local laws and/or regulations under client's responsibility. All information contained in this document relates only to the usage of our product(s) and no liability can be accepted when used in combination with other products.</p>



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TECHNICAL DATA SHEET

Product Name

GEZSAN - LDPE

Commercial Name

GEZ-017C

Color Option

Black - Yellow

Description

GEZ-017C LDPE is a low density polyethylene compound and is available in color options

Application

GEZ-017C LDPE is recommended for use as a top coat in typical three layer PE (3LPE) coating application for steel pipes.

Physical Properties

Property	Typical Value	Reference Test Method
Density (Compound)	> 0,910 g/cm ³	ISO 1183-1, Method A
Melt Flow Rate (190°C/2,16 kg)	>0,6 g/10min	ISO 1133-1, Method B
Melt Flow Rate (190°C/5,0 kg)	>2,5 g/10min	ISO 1133-1, Method B
Tensile Strength at Break(50 mm/min) (23° C))	> 600 %	ISO 527-2
Tensile Strength at Yield(50 mm/min) (23°C)	16 MPa	ISO 527-2
Carbon Black Content	> 2 %	ISO 6964
Carbon Black Dispersion	< 3	ISO 18553
Hardness, Shore D	> 55	ISO 868
Moisture	< 500 ppm	ISO 62

Processing / Extrusion Recommendations

GEZ-017C LDPE can be applied by flat head die or cross-head die extrusion. The processing conditions mentioned below are recommendations and should be adapted to the specific extrusion equipment used. Detailed recommendations can only be made when extrusion equipment and application are known. Please contact **GEZSAN PLASTIK** for more information.

Barrel (cylinder) zones 160°C – 220°C

Screen (exit zone) 210°C – 240°C

Connector zones 210°C – 240°C

Die zones 210°C – 240°C

Melt temperature 210°C – 240°C



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TECHNICAL DATA SHEET

Product Name

GEZSAN - HDPE

Commercial Name

GEZ-017C

Specifications

GEZ-017C LDPE is intended to meet the requirements of the following national and international standards when used with adhesive on powder epoxy and when the correct process, application and quality control procedures are followed by the applicator.

NF A 49710

DIN 30670

ISO 21809-1 Class B

DEP 31.40.30.31 GEN

Storage

GEZ-017C LDPE shall be stored indoors, in dry conditions at temperatures between -10°C and +50°C, protected from UV light in. Improper storage can initiate degradation and negatively influence the physical properties of this product. Shelf life is 12 (twelve) months from the production date.

Safety

GEZ-017C LDPE is not classified as a dangerous material. Material Safety Data Sheet is available on request. Please contact **GEZSAN PLASTIK** for more information.

Packing

GEZ-018 HDPE Standard packaging 1200 – 1300 kg big bags on pallet 24 – 27 ton bulk

Disclaimer

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GEZSAN
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TECHNICAL DATA SHEET

Product Name

GEZSAN - LDPE

Commercial Name

GEZ-017F

Color Option

Natural – Yellow – Blue – Gray - Black

Description

GEZ-017F LDPE is a low density polyethylene compound and is available in color options

Application

GEZ-017F LDPE is recommended to be used in the plastic film produced with the blown film or the flat film processes.
Usage areas: corrosion resistant work surfaces, heavy duty bags, bag, film production, drums, toys, garbage bags etc.

Physical Properties

Property	Typical Value	Reference Test Method
Density (Compound)	> 905 kg/m ³	ISO 1183-1, Method A
Melt Flow Rate (190°C/2,16 kg)	0,80 – 1,00 g/10min	ISO 1133-1, Method B
Melt Flow Rate (190°C/5,0 kg)	2,5 – 3,00 g/10min	ISO 1133-1, Method B
Tensile Strength at Break(50 mm/min) (23° C))	23 Mpa	ISO 527-2
Tensile Strength at Yield(50 mm/min) (23°C)	12 Mpa	ISO 527-2
Carbon Black Content	> 2 %	ISO 6964
Carbon Black Dispersion	< 3	ISO 18553
Hardness, Shore D	> 55	ISO 868
Moisture	< 500 ppm	ISO 62

Processing / Extrusion Recommendations

GEZ-017F LDPE For film extrusion applications;
Typical zone temperatures **160°C – 220°C**
Typical melt temperature **190°C – 210°C**
Typical inflation rate **2:1 3:1**

In different extrusions, the processing conditions should be optimized according to the extruder design.



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TECHNICAL DATA SHEET

Product Name

GEZSAN - HDPE

Commercial Name

GEZ-017F

Specifications

GEZ-017F LDPE is intended to meet the requirements of the following national and international standards when the correct process, application and quality control procedures are applied.

NF A 49710

DIN 30670

ISO 21809-1 Class B

DEP 31.40.30.31 GEN

Storage

GEZ-017C LDPE shall be stored indoors, in dry conditions at temperatures between -10°C and +50°C, protected from UV light in. Improper storage can initiate degradation and negatively influence the physical properties of this product. Shelf life is 12 (twelve) months from the production date.

Safety

GEZ-017C LDPE is not classified as a dangerous material. Material Safety Data Sheet is available on request. Please contact **GEZSAN PLASTIK** for more information.

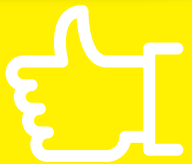
Packing

GEZ-018 HDPE Standard packaging 1200 – 1300 kg big bags on pallet 24 – 27 ton bulk

Disclaimer

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STEEL PIPE COATING



Why should you
choose us?

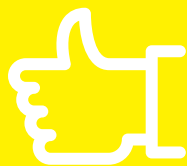
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LOWER COSTS

ECO-FRIENDLY

QUALITY RECYCLING

REFERANCE



FOR STEEL PIPE COATING

REFERANCE



FOR STEEL PIPE COATING





**T.C.
HATAY VALİLİĞİ
Çevre Şehircilik İl Müdürlüğü**

ÇEVRE İZİN VE LİSANS BELGESİ

Belge No : 233187138.0.1
Başlangıç Tarihi : 03.01.2022
Bitiş Tarihi : 03.01.2027
Tesis Adı : GEZSAN PLASTİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ
Tesis Adresi : HATAY,SARISEKİ Mahallesi, NOKSEL GİRİŞİ CADDE, No: 7-9, İSKENDERUN,Türkiye
İşletme Vergi No : 3950973987
Çevre İzin ve Lisans Konusu : Hava Emisyon
Tehlikesiz Atık Geri Kazanım,Ambalaj Atığı Geri Kazanım

Yukarıda adı ve açık adresi belirtilen tesise Çevre İzin ve Lisans Yönetmeliği kapsamında ÇEVRE İZİN VE LİSANS BELGESİ verilmiş olup 31.12.2021 tarihli ve 16822464-150/E.325 sayılı yazı ile birlikte geçerlidir. Ayrı kullanılmaz.

 e-imzalıdır
Nizamettin ÜLKER
İl Müdürü



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