



**GRANULE MORVARID YAZD**  
COMPOUNDING & REPROCESSING of PLASTIC MATERIALS

**HDPE POLYETHYLENE**

**GM-IP100-PLUS**

● Typical Application & Characteristics:

**GM-IP100-PLUS** is black high density polyethylene compound, for the extrusion process. Suitability for use in any application should be determined by appropriate performance testing.

**Product Description**

ITEM CODE	GM-IP100-PLUS
Grade	HDPE Polyethylene
Application	Extrusion Process /Pipe
Color	Black

**Typical Data**

TEST ITEM	UNIT	METHOD	VALUE
MFI(190 °C- 5kg)	gr/10min	ISO 1133	0.25±0.02
Density	gr/cm <sup>3</sup>	ISO 1183	0.955 ± 0.005
OIT	Min	ISO11357_6	≥20
Elongation at Break	%	ISO 527	≥700
Tensile Stress at Yield	MPA	ISO 527	≥20
Carbon Content	%	ISO6964	2.2 ± 0.2

**Remarks**

- Package: Plastic Bags 25 ± 0.1 Kg
- Storage: In manner to prevent of a direct exposure of sunlight or heat the storage area should be dry and preferably don't exceed 50 °C. GMY Co. do not give warranty to bad storage conditions lead to quality deterioration and inadequate product performance.
- Typical values: not to be construed as specification limits.
- Technical Disclaimer: The values reported in this technical data sheet are the results of tests carried out in accordance with standard test procedures in a laboratory environment. Actual properties may vary depending on batch and extrusion conditions. Therefore, these values should not be used for specification purposes.

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**HDPE POLYETHYLENE**

**GM-IP100-B**

●Typical Application & Characteristics:

**GM-IP100-B** Is black high density polyethylene compound , for the extrusion process .Suitability for use in any application should be determined by appropriate performance testing.

**Product Description**

ITEM CODE	GM-IP100-B
Grade	HDPE Polyethylene
Application	Extrusion Process /Pipe
Color	Black

**Typical Data**

TEST ITEM	UNIT	METHOD	VALUE
MFI(190 °C- 5kg)	gr/10min	ISO 1133	0.25±0.05
Density	gr/cm <sup>3</sup>	ISO 1183	0.955 ± 0.005
OIT	Min	ISO11357_6	≥20
Elongation	%	ISO 527	≥700
Tensile Stress at Yield	MPA	ISO 527	≥20
Carbon Content	%	ISO6964	2.2 ± 0.2

**Remarks**

- Package: Plastic Bags 25 ± 0.1 Kg
- Storage: In manner to prevent of a direct exposure of sunlight or heat the storage area should be dry and preferably don't exceed 50 °C.GMY Co.do not give warranty to bad storage conditions lead to quality deterioration and inadequate product performance.
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**HDPE POLYETHYLENE**

**GM-IP100-BL**

● Typical Application & Characteristics:

**GM-IP100-BL** Is blue high density polyethylene compound , for the extrusion process .Suitability for use in any application should be determined by appropriate performance testing.

**Product Description**

ITEM CODE	GM-IP100-BL
Grade	HDPE Polyethylene
Application	Extrusion Process /Pipe
Color	Blue

**Typical Data**

TEST ITEM	UNIT	METHOD	VALUE
MFI(190 °C- 5kg)	gr/10min	ISO 1133	0.25± 0.05
Density	gr/cm <sup>3</sup>	ISO 1183	0.955 ± 0.005
OIT	Min	ISO11357_6	≥20
Elongation at Break	%	ISO 527	≥700
Tensile Stress at Yield	MPA	ISO 527	≥20

**Remarks**

- Package: Plastic Bags 25 ± 0.1 Kg
- Storage: In manner to prevent of a direct exposure of sunlight or heat the storage area should be dry and preferably don't exceed 50 °C. GMY Co.do not give warranty to bad storage conditions lead to quality deterioration and inadequate product performance.
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**HDPE POLYETHYLENE**

**GM-IP100-Y**

•Typical Application & Characteristics:

**GM-IP100-Y** Is yellow high density polyethylene compound ,for the extrusion process .Suitability for use in any application should be determined by appropriate performance testing.

**Product Description**

<b>ITEM CODE</b>	<b>GM-IP100-Y</b>
<b>Grade</b>	HDPE Polyethylene
<b>Application</b>	Extrusion Process /Pipe
<b>Color</b>	Yellow

**Typical Data**

<b>TEST ITEM</b>	<b>UNIT</b>	<b>METHOD</b>	<b>VALUE</b>
<b>MFI(190 °C- 5kg)</b>	gr/10min	ISO 1133	0.25± 0.05
<b>Density</b>	gr/cm <sup>3</sup>	ISO 1183	0.955 ± 0.005
<b>OIT</b>	Min	ISO11357_6	≥20
<b>Elongation at Break</b>	%	ISO 527	≥700
<b>Tensile Stress At Yield</b>	MPA	ISO 527	≥20

**Remarks**

- Package: Plastic Bags 25 ± 0.1 Kg
- Storage: In manner to prevent of a direct exposure of sunlight or heat the storage area should be dry and preferably don't exceed 50 °C.GMY Co.do not give warranty to bad storage conditions lead to quality deterioration and inadequate product performance.
- Typical values: not to be construed as specification limits.
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**HDPE POLYETHYLENE**

**GM-IP-EX3**

• Typical Application & Characteristics:

**GM-IP-EX3** is black high density polyethylene compound, for the extrusion process. Suitability for use in any application should be determined by appropriate performance testing.

**Product Description**

<b>ITEM CODE</b>	<b>GM-IP-EX3</b>
<b>Grade</b>	HDPE Polyethylene
<b>Application</b>	Extrusion Process
<b>Color</b>	Black

**Typical Data**

TEST ITEM	UNIT	METHOD	VALUE
MFI(190 °C- 5kg)	gr/10min	ISO 1133	0.5 ± 0.05
Density	gr/cm <sup>3</sup>	ISO 1183	0.955 ± 0.005
OIT	Min	ISO11357_6	≥20
Elongation at Break	%	ISO 527	≥700
Carbon Content	%	ISO6964	2.2 ± 0.2

**Remarks**

- Package: Plastic Bags 25 ± 0.1 Kg
- Storage: In manner to prevent of a direct exposure of sunlight or heat the storage area should be dry and preferably don't exceed 50 °C. GMY Co. do not give warranty to bad storage conditions lead to quality deterioration and inadequate product performance.
- Typical values: not to be construed as specification limits.
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**HDPE POLYETHYLENE**

**GM-TB100-EX3**

●Typical Application & Characteristics:

**GM-TB100-EX3** Is black high density polyethylene compound, for the extrusion process. Suitability for use in any application should be determined by appropriate performance testing.

**Product Description**

<b>ITEM CODE</b>	<b>GM-TB100-EX3</b>
<b>Grade</b>	HDPE Polyethylene
<b>Applications</b>	Extrusion Process
<b>Color</b>	Black

**Typical Data**

<b>TEST ITEM</b>	<b>UNIT</b>	<b>METHOD</b>	<b>VALUE</b>
<b>MFI (190 °C-5kg)</b>	gr/10min	ISO 1133	0.35 ± 0.05
<b>Density</b>	gr/cm <sup>3</sup>	ISO 1183	0.950 ± 0.005
<b>Dispersion</b>	–	ISO 18553	≤3
<b>OIT</b>	Min	ISO11357_6	≥20
<b>Elongation at Break</b>	%	ISO 527	≥700
<b>Carbon Content</b>	%	ISO 6964	2.2 ± 0.2

**Remarks**

- Package: Plastic Bags 25 ± 0.1 Kg
- Storage: In manner to prevent of a direct exposure of sunlight or heat the storage area should be dry and preferably don't exceed 50 °C. GMY Co. do not give warranty to bad storage conditions lead to quality deterioration and inadequate product performance.
- Typical values: not to be construed as specification limits.
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