

High-Density Polyethylene

HDPE 90386 granules, with high filtration, suitable density, and minimal fillers, are ideal for blow molding, film production, and some injection molding uses. They offer excellent flowability, strength, and impact resistance. As a cost-effective, eco-friendly alternative to virgin HDPE, they enhance efficiency and lower production costs across various industries.

Technical Properties

Property	Standard	Condition	Result	Unit
MFI	ASTM D1238	5 kg / 190 °C	9	g/10 min
MFI	ASTM D1238	2.16 Kg /190°C	2	
Filler Content	ISO3451/1	600°C/30 min	< 2	%
Density	ISO 1183	23°C	0.94	gr/cm ³
Izod Impact	ISO 180	2.71J/notched/23°C	4	Kj/m ²
Tensile strength @Yield	ISO 527	Speed 50 mm/min	27	Mpa
Elongatin @ Yield	ISO 527	Speed 50 mm/min	9	%
Tensile strength @ Break	ISO 527	Speed 50 mm/min	27	Mpa
Elongatin @ Break	ISO 527	Speed 50 mm/min	11	%
Flexural Modulus	ASTM D790	Speed: 1.3mm/min Deflection: 0.5mm	1000	Mpa
Flexural strength	ASTM D790	Speed: 1.3mm/min Deflection: 5.0mm	27	Mpa
VICAT	ASTM D1525	50 N	70	°c
HDT	ASTM D648	0.45 MPa	84	°c
Hardness	ASTM D 2240	Shore D	63	°c
DSC	ISO 11357/6	10 °C/min N2 50ml/min	Click	°c

- The uncertainty of the test result is based on confidence range of %95 and K=2 which is calculated and Announced due to the customers' demands.

Commercial Properties

Property	Value	Property	Value
HS Code	390120	Delivery Terms	CFR, CPT, FCA, FOB
MOQ	1000	Packaging	25 kg Bag – 1000 kg Jumbo Bag
ETD	Negotiable	Payment Terms	Negotiable
MSDS	Yes	Marks & Nos	Negotiable
Product Process	Blow Molding	Color	Light cream

Shipping and Storage Conditions

Away from moisture, sunlight, sharp objects, fire and flame.

Needs:

[LOI \(Letter of Intent\)](#)

Other Documents:

You may also need the following documents. Click to download them:

1. [FCO \(Full Corporate Offer\)](#)
2. [PI \(Proforma Invoice\)](#)
3. [CI \(Commercial Invoice\)](#)
4. [PL \(Packing List\)](#)
5. [MSDS \(Material Safety Data Sheet\)](#)

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- [Loading Capacity Table](#)
- [Suggested Guidelines](#)

Technical Consulting

Technical and engineering consulting to find the right product for the customer

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Business Consulting

Business consulting in the field of shipping, customs and logistics

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