

High-Density Polyethylene 90385

HDPE 90385 is a high-quality recycled high-density polyethylene (HDPE) granule designed for blow molding applications. It offers high strength, impact resistance, and durability, making it ideal for producing industrial blow-molded containers and as a processing aid in the packaging industry. Made from pure recycled materials, it serves as a cost-effective and environmentally friendly alternative to virgin HDPE.

Technical Properties

Property	Standard	Condition	Result	Unit
MFI	ASTM D1238	5 kg / 190 °C	3	g/10 min
MFI	ASTM D1238	2.16 kg/190 °C	< 1	
Filler Content	ISO3451/1	600°C/30 min	< 0.5	%
Density	ISO 1183	23°C	0.95	gr/cm ³
Izod Impact	ISO 180	2.71J/notched/23°C	15	Kj/m ²
Tensile strength @Yield	ISO 527	Speed 50 mm/min	23	Mpa
Elongatin @ Yield	ISO 527	Speed 50 mm/min	12	%
Tensile strength @ Break	ISO 527	Speed 50 mm/min	15	Mpa
Elongatin @ Break	ISO 527	Speed 50 mm/min	165	%
Flexural Modulus	ASTM D790	Speed: 1.3mm/min Deflection: 0.5mm	770	Mpa
Flexural strength	ASTM D790	Speed: 1.3mm/min Deflection: 5.0mm	20	Mpa
VICAT	ASTM D 1525	50 N	65	°c
HDT	ASTM D648	0.45 MPa	75	°c
Hardness	ASTM D 2240	Shore D	62	°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

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 Extrusion Film	Color	semi-transparent Customizable

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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