



HDPE EX3

High Density Polyethylene · Pipe Grade (PE80)

Also traded as PE80 · X3 · Origin: Iran

MFR (190 °C / 5 KG)

0.45 g/10 min

DENSITY

0.945 g/cm³

CLASS

PE80

MRS

8 MPa

PRODUCT DESCRIPTION

HDPE EX3 is a natural high density polyethylene with 1-butene comonomer, classified as PE80. It offers good environmental stress-crack resistance combined with good impact strength for pressure pipes, drinking-water, gas and sewer pipes, drip irrigation and fittings.

- PE80 classified
- Good stress-crack resistance
- Good impact strength
- Fully stabilised

PROCESSING GUIDE

Process	Pipe extrusion
Melt temperature	190 – 220 °C
Also for	Fittings, sheet
Form	Natural pellets

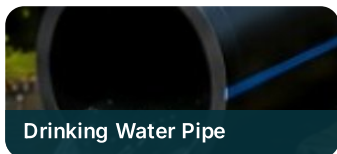
TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (190 °C / 5 kg)	ISO 1133	g/10 min	0.45
Melt Flow Rate (190 °C / 21.6 kg)	ISO 1133	g/10 min	12
Density	ISO 1183	g/cm ³	0.945
PIPE			
MRS Classification	ISO/TR 9080	MPa	8
Hydrostatic Strength (80 °C)	ISO 1167	h	1000
MECHANICAL			
Tensile Modulus (secant)	ISO 527-1, -2	MPa	850
Tensile Stress at Yield	ISO 527-1, -2	MPa	22
Tensile Strain at Yield	ISO 527-1, -2	%	8
Charpy Notched Impact (23 °C)	ISO 179	kJ/m ²	12
Hardness, Shore D	ISO 868	—	60

APPLICATIONS



Pressure Pipe



Drinking Water Pipe



Gas Pipe



Fittings

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.

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