

Grade/Product Name : HF4760(THE/THT:Grade)



Test/Composition	value	Unit	Method
Density	0.95 6 ±0.002	g/cm ³	ISO 1183
MFR(190°/21.16)	23±4	g/10min	ISO 1133
MFR(190°/5)	1.2±0.3	g/10min	ISO 1133
Notched Impact (23°c) ²	≥9	mJ/mm ²	ISO179/1eA

Main Application: Small blow moulding

Notes:

- 1- FRR values are statistical and calculated by dividing MFR values.**
- 2- Notch Impact Test specimen from compressed moulded sheet 23°C and The data quoted is average values**



HD-BL 3

License Grade Code HF 4760(THT)

Product Description:

“BL3” is a high density polyethylene with 1-Butene as co monomer. It is high density and stiffness, good ESCR, high rigidity, good flowability and impact strength.

Applications:

- Small blow moulding
- Bottles
- Containers (up to 5 lit)
- Packaging of pharmaceuticals & surfactants

Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm3	0.954
Melt Flow Rate (190 C/5.06kg)	ISO 1133	g/10min	1.2
Melt Flow Rate (190 C/21.16kg)	ISO 1133	g/10min	23
FRR(21.6/5)		-	19
Impact strength (23 C)	ISO 179/1eA	mj/mm2	10
Swell ratio	MPC-Test	%	120

● Typical value not to be constructed as specifications.

● Recommended melt temp. 180-220 c



KERMANSHAH POLYMER COMPANY

Plant : KERMAPOL

Grade/Product Name : BL3/HF4760

Catalyst : THT

Technical Data

Product Description

HF4760 is a high-density Polyethylene with 1-Butene as a co-monomer.

Application:

Containers with capacities ranging from a few ml up to 10 liters, for Production of sheets for thermoforming

General

Additive	• Antioxidant, Lubricant	
Features	• High stiffness • Good flow ability • Good impact strength • Good stress cracking resistance • High Density	
Forms	• Pellet	
Processing Method	• Small Blow Molding	
Physical	Nominal Value	Unit Test Method
Density ¹⁾	0.954±0.002	g/cm ³ ISO1183
Melt Mass-Flow Rate (MFR) (190°C/5 kg)	1.2±0.3	g/10 min ISO1133
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	23±4	g/10 min ISO1133
Flow Rate Ratio (21.6 kg/5 kg) ²⁾	19±3	-
Impact	Nominal Value	Unit Test Method
Notched Impact (23°C) ³⁾⁴⁾	9mJ/mm ²	ISO179/1 eA
Swell Ratio	110±15%	

1) Test specimen from compression moulded sheet at 23 °C, samples not annealed

2) FRR values are statistical and calculated by dividing MFR values

3) Test specimen from compressed moulded sheet 23°C

4) The data quoted are average values