



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		

	Nominal Value	Unit	Test Method
Notched Impact (23°C) ³⁾⁴⁾	9	J/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