



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	<ul style="list-style-type: none"> • Antioxidant, Lubricant 	
Features	<ul style="list-style-type: none"> • High stiffness • Good flow ability • Good impact strength • Good stress cracking resistance • High Density 	
Forms	<ul style="list-style-type: none"> • Pellet 	
Processing Method	<ul style="list-style-type: none"> • 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