

High Density Polyethylene BL3 (HF4760)

Polyethylene (BL3 (HF4760)) is a heavy polyethylene copolymer with normal butene. BL3 material has hardness, stiffness, impact resistance, and good ESCR for the production of pneumatic parts, such as detergents and medicines, and all bottles and small containers (less than 5 liters).

Applications:

- Production of pneumatic parts such as detergents and medicines
- Production of all bottles and small containers (less than 5 liters)

No.	Property	Value	Units	Test Method
1	Mass Density (23°C)	0.954	g/cm ³	ISO 1183
2	Melt Flow Rate (190°C / 5.06 kg)	1.2	g/10 min	ISO 1133
3	Melt Flow Rate (190°C / 21.16 kg)	23	g/10 min	ISO 1133
4	Flow Rate Ratio (FRR = 21.6 / 5)	19	—	—
5	Impact Strength (23°C)	10	mJ/mm ²	ISO 179-1eA
6	Swell Ratio	120	%	MPC-Test
7	Flexural Creep Modulus (1 min, 4 pt)	1300	MPa	DIN 19537-2
8	Tensile Modulus (23°C, $\nu = 1$ mm/min)	1250	MPa	ISO 527
9	Stress at Break	32	MPa	ISO 527



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