



HIGH-DENSITY POLYETHYLENE

BL3 (HF-4760)

" BL3 (HF-4760) " is a high-density polyethylene with 1-Butene as co monomer. It has high density and stiffness, good ESCR, high rigidity, good flowability, and impact strength.

Producer:

Marun Petrochemical Company

NO	Property	Value	Units	Test Method
1	Mass density (23 C)	0.954	g/cm ³	ISO 1183
2	Melt Flow Rate (190 C/5.06kg)	1.2	g/10min	ISO 1133
3	Melt Flow Rate (190 C/21.16kg)	23	g/10min	ISO 1133
4	FRR(21.6/5)	19	----	----
5	Impact strength (23 C)	10	mj/mm ²	ISO 179/1eA
6	Swell ratio	120	%	MPC-Test
7	Flextural Creep Modulus (4point,1min)	1300	Mpa	DIN 19537-2
8	Tensile Modulus (23 C,v=1mm/min,secant)	1250	Mpa	ISO 527
9	Stress at Break	32	Mpa	ISO 527
10	Elongation at Break	>600	%	ISO 527
11	Elongation at Yield	10	%	ISO 527
12	Softening Temperature	77	°C	ISO 306
13	Brittle Temperature	<-80	°C	ASTM D746-72
14	Shore D hardness	62	-----	ISO 868
15	ESCR in full notch creep test (80 C,2%Arcopal)	5	h@3.5 Mpa	ISO CD 16770

Applications:

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

