

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
Flextural Creep Modulus (4point, 1min)	DIN 19537-2	Mpa	1300
Tensile Modulus (23 C, v=1mm/min, secant)	ISO 527	Mpa	1250
Stress at Break	ISO 527	Mpa	32
Elongation at Break	ISO 527	%	>600
Elongation at Yield	ISO 527	%	10
Softening Temperature	ISO 306	C	77
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		62
ESCR in full notch creep test (80 C, 2% Arcopal)	ISO CD 16770	h@3.5 Mpa	5

● Typical value not to be constructed as specifications.

● Recommended melt temp. 180-220 c