



## HD-BL 2

### License Grade Code HF 7255(THT)

#### **Product Description:**

"BL2" is a high density polyethylene with 1-Butene as co monomer. It is high impact strength & slightly, lower stiffness than BL3, outstanding resistance to stress cracking, even in contact with surfactants.

#### **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	0.944
Melt Flow Rate (190 C/5.06kg)	ISO 1133	g/10min	1.1
Melt Flow Rate (190 C/21.16 kg)	ISO 1133	g/10min	23
FRR(21.6/5)		-	21
Impact strength (23 C)	ISO 179/1eA	kJ/mm2	11
Swell ratio	MPC-Test	%	120
Flextural Creep Modulus (4point,1min)	DIN 19537-2	Mpa	1050
Tensile Modulus (23 C, v=1mm/min, secant)	ISO 527	Mpa	900
Stress at Break	ISO 527	Mpa	32
Elongation at Break	ISO 527	%	>600
Elongation at Yield	ISO 527	%	10
Softening Temperature	ISO 306	C	70
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		60
ESCR in full notch creep test (80 C, 2% Arcopal)	ISO CD 16770	h@3.5 Mpa	10

- ① Typical value not to be constructed as specifications.
- ② Recommended injection moulding temp. 180-220 c