



## HD-BL 3VD

### License Grade Code HH 4765(THT)

#### **Product Description:**

“BL3VD” is a high density polyethylene with 1-Butene as co monomer. It is very high density and stiffness, good ESCR, high flowability and impact strength.

#### **Applications:**

- Small blow moulding
- Bottles



## Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm3	0.959
Melt Flow Rate (190 C/5.06kg)	ISO 1133	g/10min	1.5
Melt Flow Rate (190 C/21.16kg)	ISO 1133	g/10min	27
FRR(21.6/5)		-	19
Impact strength (23 C)	ISO 179/1eA	kJ/mm2	7
Swell ratio	MPC-Test	%	>115
Flextural Creep Modulus (4point, 1min)	DIN 19537-2	Mpa	1350
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	80
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		63
ESCR in full notch creep test (80 C, 2%Arcoopal)	ISO CD 16770	h@3.5 Mpa	3

- Typical value not to be constructed as specifications.
- Recommended melt temp. 180-220 c