



## HD-BL 4M

### License Grade Code HM 8355(THT)

#### **Product Description:**

“BL 4M” is a high density polyethylene with 1-Butene as co monomer.

It is high molar mass,easily processable, high stiffness and strength, good ESCR, very good molding surface finish.

#### **Applications:**

- Jerry can
- General- purpose grade for large containers



## Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm <sup>3</sup>	0.952
Melt Flow Rate (190 C/5.06kg)	ISO 1133	g/10min	0.35
Melt Flow Rate (190 C/21.16 kg)	ISO 1133	g/10min	9.5
FRR(21.6/5)		-	27
Impact strength (23 C)	ISO 179/1eA	mj/mm <sup>2</sup>	10
Swell ratio	MPC-Test	%	>115
Flexural Creep Modulus (4point, 1min)	DIN 19537-2	Mpa	1100
Tensile Modulus (23 C, v=1mm/min, secant)	ISO 527	Mpa	1200
Stress at Break	ISO 527	Mpa	34
Elongation at Break	ISO 527	%	>800
Elongation at Yield	ISO 527	%	10
Softening Temperature	ISO 306	C	80
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