



**NAME: HD -BL 3 License Grade Code HF 4760**

**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 flow ability and impact strength

**Applications:**

Small blow molding

Bottles

Containers (up to 5 lit)

Packing of pharmaceuticals & surfactants

**Typical data: (Table)**

PROPERTY	Test Method	UNIT	Typical Value*
Mass density (23 <sup>0</sup> C)	ISO 1183	g/cm3	0.954
Melt Flow Rate (190 <sup>0</sup> C/5.0kg)	ISO 1133	g/10min	1.2
Melt Flow Rate (190 <sup>0</sup> C/21.6 kg)	ISO 1133	g/10min	23
Stress at Yield	ISO 527	MPa	26
Flexural Creep Modulus (4point, 1min)	DIN 19537-2	MPa	1300
Tensile Modulus (23 <sup>0</sup> 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	<sup>0</sup> C	77
Brittle Temperature	ASTM D746-72	<sup>0</sup> C	< - 80
Shore D hardness	ISO 868	-	62
ESCR in Full Notch Creep Test (80 <sup>0</sup> C, 2% Arcopal )	ISO CD 16770	h@3.5 MPa	5
Impact strength (23 <sup>0</sup> C)	ISO 179/1eA	Kj/m2	10
Swell ratio	Internal	0/%	120

\* Typical Values: not to be construed as specifications

**Process conditions:** Recommended injection molding temperature: 200 - 280 <sup>0</sup>C

**Packing:** 25 Kg plastic bag