

HD –BL 3 License Grade Code HF 4760

1) 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

2) Applications:

- Small blow moulding
- Bottles
- Containers (up to 5 lit)
- Packing of pharmaceuticals & surfactants

3) Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23oC)	ISO 1183	g/cm ³	0.954
Melt Flow Rate (190oC/5.0kg)	ISO 1133	g/10min	1.2
Melt Flow Rate (190oC/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 (23oC, 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	oC	77
Brittle Temperature	ASTM D746-72	oC	< - 80
Shore D hardness	ISO 868	-	62
ESCR in Full Notch Creep Test (80oC, 2% Arcopal)	ISO CD 16770	h@3.5 MPa	5
Impact strength (23oC)	ISO 179/1eA	Kj/m ²	10
Swell ratio	Internal	%	120

* Typical Values : not to be construed as specifications

4) Process conditions: Recommended injection molding temperature: 200 - 280^oC

Producer: Marun Petrochemical Co. Licensor: Basell Packing: 25 Kg plastic bag