

HD-BL 2

License Grade Code HF 4750



High Density Polyethylene (HDPE)

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)
- Packing of pharmaceuticals & surfactants

PROPERTY	UNIT	TYPICAL VALUE*	TEST METHOD
MASS DENSITY (23°C)	g/cm3	0.944	ISO 1183
MELT FLOW RATE (190°C/5.0KG)	g/10min	1.1	ISO 1133
MELT FLOW RATE (190°C/21.6 KG)	g/10min	23	ISO 1133
STRESS AT YIELD	MPa	22	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1050	DIN 19537-2
TENSILE MODULUS (23°C, V = 1MM / MIN)	MPa	900	ISO 527
STRESS AT BREAK	MPa	32	ISO 527
ELONGATION AT BREAK	%	>600	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	OC	70	ISO 306
BRITTLE TEMPERATURE	OC	< - 80	ASTM D746-72
SHORE D HARDNESS	-	60	ISO 868
ESCR IN FULL NOTCH CREEP TEST (800C, 2%	h@3.5 MPa	10	ISO CD 16770
IMPACT STRENGTH (230C)	Kj/m2	11	ISO 179/1eA
SWELL RATIO	%	120	Internal

Process conditions

Recommended injection moulding temperature: 200 – 280° C

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.