

HD-BL 3

License Grade Code HF 4760

High Density Polyethylene (HDPE)



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

PROPERTY	UNIT	TYPICAL VALUE*	TEST METHOD
MASS DENSITY (230C)	g/cm3	0.954	ISO 1183
MELT FLOW RATE (1900C/5.0KG)	g/10min	1.2	ISO 1133
MELT FLOW RATE (1900C/21.6 KG)	g/10min	23	ISO 1133
STRESS AT YIELD	MPa	26	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1300	DIN 19537-2
TENSILE MODULUS (230C, V = 1MM / MIN ,SECANT)	MPa	1250	ISO 527
STRESS AT BREAK	MPa	32	ISO 527
ELONGATION AT BREAK	%	>600	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	°C	77	ISO 306
BRITTLE TEMPERATURE	°C	< - 80	ASTM D746-72
SHORE D HARDNESS	-	62	ISO 868
ESCR IN FULL NOTCH CREEP TEST (800C, 2%)	h@3.5 MPa	5	ISO CD 16770
IMPACT STRENGTH (230C)	Kj/m2	10	ISO 179/1eA
SWELL RATIO	%	120	Internal

* Typical Values: not to be construed as specifications

Process conditions

Recommended injection molding 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.