

HD-BL3 VD

License Grade Code HH4765



High Density Polyethylene (HDPE)

Product Description

“BL3VD” is a high density polyethylene with 1-Butene as co monomer .It is very high density and stiffness, good ESCR, high flow ability and impact strength.

Applications

- Small blow moulding
- Bottles
- Containers (up to 10 lit)

PROPERTY	UNIT	TYPICAL VALUE*	TEST METHOD
MASS DENSITY (230C)	g/cm3	0.959	ISO 1183
MELT FLOW RATE (1900C/5.0KG)	g/10min	1.5	ISO 1133
MELT FLOW RATE (1900C/21.6 KG)	g/10min	27	ISO 1133
STRESS AT YIELD	MPa	28	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1350	DIN 19537-2
TENSILE MODULUS (230C, V = 1MM / MIN)	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	OC	80	ISO 306
BRITTLE TEMPERATURE	OC	< - 80	ASTM D746-72
SHORE D HARDNESS	-	63	ISO 868
ESCR IN FULL NOTCH CREEP TEST (800C, 2%)	h@3.5 MPa	3	ISO CD 16770
IMPACT STRENGTH (230C)	Kj/m2	7	ISO 179/1eA
SWELL RATIO	%	>115	Internal

Process conditions

Recommended injection moulding temperature: 200 - 280° C

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

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