

HD-BL4 M

License Grade Code HM8355



High Density Polyethylene (HDPE)

Product Description

“BL4M” is a high density polyethylene with 1-Butene as co monomer .It is high molar mass, easily Process able, high stiffness and strength, good SCR, very good molding surface finish.

Applications

- Jerry can
- General – purpose grade for large containers

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MASS DENSITY (230C)	g/cm3	0.952	ISO 1183
MELT FLOW RATE (1900C/5.0KG)	g/10min	0.35	ISO 1133
MELT FLOW RATE (1900C/21.6 KG)	g/10min	9.5	ISO 1133
STRESS AT YIELD	MPa	26	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1100	DIN 19537-2
TENSILE MODULUS (230C, V = 1MM / MIN)	MPa	1200	ISO 527
STRESS AT BREAK	MPa	34	ISO 527
ELONGATION AT BREAK	%	>800	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	°C	80	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	%	>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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