

Producer: MAROUN AND JAM PETROCHEMICAL / IRAN

HDPE BL4M (HM 8355)

Product Description:

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

Applications

- Jerry can
- General – purpose grade for large containers

PROPERTY	TEST	UNIT	VALUE
Mass density (23 ⁰ C)	ISO 1183	g/cm ³	0.952
Melt Flow Rate (190 ⁰ C/5.0kg)	ISO 1133	g/10min	0.35
Melt Flow Rate (190 ⁰ C/21.6 kg)	ISO 1133	g/10min	9.5
Stress at Yield	ISO 527	MPa	26
Flexural Creep Modulus (4point, 1min)	DIN 19537-2	MPa	1100
Tensile Modulus (23 ⁰ C, v = 1mm / min ,Secant)	ISO 527	MPa	1200
Stress at Break	ISO 527	MPa	34
Elongation at Break	ISO 527	%	>800
Elongation at yield	ISO 527	%	10
Softening Temperature	ISO 306	⁰ C	80
Brittle Temperature	ASTM D746-72	⁰ C	< - 80
Shore D hardness	ISO 868		62
ESCR in Full Notch Creep Test (80 ⁰ C, 2% Arcopal)	ISO CD 16770	h@3.5 MPa	5
Impact strength (23 ⁰ C)	ISO 179/1eA	Kj/m ²	10
Swell ratio	Internal	%	>115

* Typical Values : not to be construed as specifications

Process conditions:

Recommended injection moulding temperature: 200 - 280⁰C

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Licenser: Basell

Packing: 25 Kg plastic bag