

Product Data Sheet: HD-BL4

HighDensity Polyethylene	Large Blow Molding	
HDPE: HD-BL4	Density: 0.951 +/- 0.002	MFI: 0.35 +/- 0.06
Feature: • Comonomer Butene-1 (C4) • High Stiffness • Good Flow ability • Good Impact Strength • Good Stress cracking	Application: • High Density • Jerry can • General-Purpose Grade for large containers	Additive: • Antioxidants • Lubricant

* **Material properties** (this data are typical values and shall not be construed as product specifications.)

Resin Properties	Unit	Condition	Typical Value	Test Method
Melt Flow Rate (MFR)	g/10min	190°C/5 kg	0.35 +/- 0.06	ISO 1133
Melt Flow Rate (MFR)	g/10min	190°C/21.6 kg	9.5 +/- 2	ISO 1133
Density	g/cm ³	23°C	0.951 +/- 0.002	ISO 1183

Physical Properties	unit	Condition	Typical value	Test method
Oxidation Induction Time	min	-	40≥	ASTM D3895
Stress at break	Mpa	-	33	ASTM D(638-02)
Elongation at break.	%	-	600	ASTM D(638-02)
Elongation at yield	%	-	9	ASTM D(638-02)
Tensile Modulus	Mpa	(23°C, 5mm/min, secant)	950	ASTM D(638-02)
Yellowness Index	-	-	<1	ASTM D 1925
Flexural Creep Modulus	Mpa	(23°C, 5mm/min, secant)	1000	ASTM D 790
HDT	°C	-	46	ISO 75 B
Shore D	-	-	62	ISO 868
Notch impact strength	Kj/m2	-	18	ISO 179/1eA
ESCR	hr	50°C, 10% Arcopal	≥500	ASTM-D-1693
Volatiles	Wt%	-	≤0.02	ASTM-1203

* Guaranteed items: MFR & Density.

* The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third-party material(s) or for any non-typical applications, may differ from typical properties.

* It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers' particular purposes.

The customer is responsible for the appropriate, safe & legal use, processing and handling of all product(s) purchased from us.

* Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particularly, warranty of merchantability or fitness for a particular purpose.