

# Halene H B6401

High Density Polyethylene  
Haldia Petrochemicals Ltd.

Message:

B6401 is a HDPE Blow Molding Grade produced by the Mitsui CX Process.  
This resin is particularly recommended for up to 20-liter containers for Lubricants and Edible oils.  
B6401 combines exceptional processability with high rigidity, excellent mechanical properties and impact resistance.

General Information			
Features	Rigidity, high		
	Impact resistance, good		
Uses	Container		
	Food container		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.964	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Compression Molded)	32.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break, Compression Molded)	> 1000	%	ASTM D638
Flexural Modulus (Compression Molded)	1300	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Compression Molded)	350	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Vicat Softening Temperature	129	°C	ASTM D1525 <sup>4</sup>
Peak Melting Temperature	132	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	165	°C	
Cylinder Zone 4 Temp.	175	°C	

Die Temperature	180 - 185	°C
Extrusion instructions		
Parison Temperature: 185-190°C Cooling Water for Mold: 20-25°C		
NOTE		
1.	23°C	
2.	50 mm/min	
3.	50 mm/min	
4.	压力1 (10N)	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

