

## TECHNICAL DATA SHEET

## B6401

**B6401** is a HDPE Blow Molding Grade produced by the Mitsui CX Process.

This resin is particularly recommended for upto 20-liter containers for Lubricants and Edible oils.

**B6401** combines exceptional processability with high rigidity, excellent mechanical properties and impact resistance.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D 1238	g/10 min	0.40
Density (23°C)	ASTM D 1505	g/cm <sup>3</sup>	0.964
<b>Physical Property</b>			
Tensile Strength at Yield	ASTM D 638	MPa	32
Elongation at Break	(50 mm/min)	%	>1000
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	350
Flexural Modulus	ASTM D 790A	MPa	1300
Hardness	ASTM D 2240	Shore D	65
Vicat Softening Point (10N)	ASTM D 1525	°C	129
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	80
DSC Melting Temperature	ASTM D 3418	°C	132
<b>Suggested Processing Conditions</b>			
Barrel Temperature		°C	150/160/165/175
Die Temperature		°C	180 – 185
Parison Temperature		°C	185 – 190
Cooling Water for Mold		°C	20 – 25

\* Halene H is the registered trademark of High Density Polyethylene of HPL

Mechanical Properties are on specimens from Compression Molded Sheets

The information & data presented herein are typical values and should not be construed as specification. No warranty or guarantee expressed or implied is made regarding performance. The information & data are subject to change without prior intimation based on research & development work undertaken by the company.

Compliance Certificates & MSDS are available on request.  
Visit us at [www.haldiapetrochemicals.com](http://www.haldiapetrochemicals.com)