

TECHNICAL DATA SHEET

B6401

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

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

B6401 is recommended for upto 20 L containers for Lubricants and Edible oils

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	0.40
Density (23°C)	ASTM D1505	g/cm ³	0.964
Physical Property			
Tensile Strength at Yield	ASTM D638	MPa	32
Elongation at Break	(50 mm/min)	%	> 850
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	350
Flexural Modulus	ASTM D790A	MPa	1300
Hardness	ASTM D2240	Shore D	68
Vicat Softening Point (10 N)	ASTM D1525	°C	129
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	80
DSC Melting Temperature	ASTM D3418	°C	132

Suggested Processing Conditions

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