

**Product Texts**

B6401 is a Blow Molding Grade HDPE 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.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>0.4</b>	g/10min	ASTM D 1238
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>32</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>40</b>	MPa	ASTM D 638
Elongation at Break	<b>1000</b>	%	ASTM D 638
Flexural Modulus	<b>1350</b>	MPa	ASTM D 790
Shore D Hardness	<b>68</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>300</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>67</b>	°C	ASTM D 648
Melting Temperature	<b>135</b>	°C	ASTM D 3418
Vicat Temperature	<b>129</b>	°C	ASTM D 1525

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>960</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	<b>185 - 190</b>	°C	-
Zone 1	<b>150</b>	°C	-
Zone 2	<b>160</b>	°C	-
Zone 3	<b>165</b>	°C	-
Zone 4	<b>175</b>	°C	-
Nozzle temperature	<b>180 - 185</b>	°C	-

**Characteristics**

**Processing**

Blow Molding

**Special Characteristics**

High impact or impact modified

**Chemical Resistance**

Oil Resistance

**Regional Availability**

Asia Pacific