

TECHNICAL DATA SHEET

B6401

B 6401 is a Blow Molding Grade HDPE manufactured using the Mitsui CX Process. This resin is particularly recommended for upto 20-liter containers for lubricants and edible oils.

B 6401 combines exceptional processability with high rigidity, excellent mechanical properties and impact resistance.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg at 190° C)	ASTM D 1238	g/10 min	0.40
Density (at 23°C)	ASTM D 1505	g/cm ³	0.964
Physical Property			
Tensile Strength at Yield**	ASTM D 638	MPa	30
Tensile Strength at Break**	ASTM D 638	MPa	34
Elongation at Break**	ASTM D 638	%	>1000
Izod Impact Strength (Notched, 23 ° C)	ASTM D 256	J/m	350
Flexural Modulus	ASTM D 790	MPa	1300
Hardness	ASTM D 2240	Shore D	65
Vicat Softening Point	ASTM D 1525	°C	130
DSC Melting Temperature	ASTM D 2117	°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

** Tensile Properties are on Compression Molded Type IV Specimens as per ASTM D 638

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