



## StarPlas HDPE 50100

High Molecular Weight HDPE  
Blow Molding, Sheet Extrusion

<b>Melt Flow</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Flow, gm/10 min., 190/5.0kg	D-1238	10
Density	D-792	0.948
<b>Impact Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Izod, ft-lbs/in, notched	D-256	>12.0
<b>Tensile Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Strength, psi	D-638	3,650
Elongation, %	D-638	700
<b>Flexural Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Modulus, psi	D-790	175,000
<b>Thermal Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Heat Distortion, F Annealed	D-648	174

StarPlas HDPE 50100 is a HMW high density polyethylene (HDPE) for extra strength blow molding and sheet extrusion. The low melt flow provides high molecular weight.

HDPE 50100 is utilized in products such as gas cans, thick wall blow molding, single and multilayer sheet extrusion, and wire and cable applications.

Please contact us with any additional questions you may have regarding this material. (940) 381-2000

### **Other Information**

This material will comply with FDA requirements as described in 21 CFR 177.1640.

The above values are intended as a general guide and do not represent results that may be obtained elsewhere. Lone Star Chemical makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.

