

## PRINTING GRADE

HIGH IMPACT POLYSTYRENE FDA  
 PAEX GRADE 6600

LITHO OR REGISTERED GRADE  
 REGISTER GRADE LOW STRAIN  
 SCREEN OR DIGITAL PRINTING GRADE

GAUGE RANGE:           Rolls .010 - .060  
 (Others Available)    Sheets .010 - .150

GAUGE TOLERANCES:  
 ± 5% OR .0015 Max Deviation (Which ever is greater)

Roll Width       MAX 65"       ± 1/16"  
 (TD)           \*\*MIN 14"       ± 1/16"  
 Sheet Width    MAX 65"       - 0 + 1/4"  
 (TD)           \*\*MIN 14"       - 0 + 1/4"  
 Length:        MAX 96"       - 0 + 1/4"  
 (MD)           \*\* MIN 16"       - 0 + 1/4"

Cores :        3" (6" or 8" for appropriate gauges)

Non-Square Cut: 1/4" differential on diagonal up to 48",  
 plus 1/32" per foot for diagonal over 48" with Maximum  
 3/8" differential.

Square Cut Sheets:       Up to .045\*\*\*  
 Width:           MAX 65"       - 0 + 1/16"  
 (TD)           MIN 20"       - 0 + 1/16"  
 Length:        MAX 96"       - 0 + 1/8"  
 (MD)           Min 16"       - 0 + 1/8"

Square Cut Diagonal: 1/16" differential up to 48", plus  
 1/32" per foot for diagonal over 48" with max 1/8"  
 differential  
 \*\*\* Over .045 add 1/16" to diagonal and MD tolerances.

\* TRAVERSE DIRECTION (TD) at our discretion unless  
 specified at time of order.

Flatness: Lay Flat Sheet ± 1/8" from nominal  
 Surface: Matte 2 sides (Others Available upon request)  
 Corona Treating Available (.060 MAX)

**\*\*For special requirements contact Primex Plastics\*\***

Register Line : One Side  
 Packaging: Poly-covered, bulk packed and palletized.

<u>LBS ORDERED</u>	<u>SHIPPING RANGE</u>
Under 1,000 lbs.	+150 lbs, -0
1,000 - 1,999	± 10%
2,000 - 4,999	± 7.5%
5,000 - 9,999	± 5%
10,000 - 19,999	± 4%
20,000 & up	± 3%

### CALCULATIONS OF WEIGHTS FOR STYRENES

The factor .0386 can be used to estimate sheet weight

\*Approximate yield 25,900 sq. in./lb. (.001")

Length (" ) X Width (" ) X Thickness (mils) X .0386 = Lbs./Sht

### TYPICAL PHYSICAL PROPERTIES \*\*

Melt Flow Condition G  
 Izod Impact (1/4") ft-lb/in. notch  
 Gardner Impact, Method G  
 Vicat Softening Temperature/F  
 Deflection Temperature Unannealed  
 Tensile Strength at Yield/psi  
 Tensile Strength at Break/psi  
 Tensile Elongation at Break/%  
 Flexural Properties  
 Specific Gravity  
 Water Absorption  
 Thermal Expansion  
 Flammability Class/UL94  
 FDA Approval

### TEST METHOD

D1238  
 D256  
 D3029  
 D1525  
 D648  
 D638  
 D638  
 D638  
 D790  
 D792  
 D570  
 D696  
 FDA

### VALUE

2.6  
 2.0  
 40  
 215  
 190  
 3300  
 3100  
 45  
 280,000  
 1.03  
 0.06%  
 4.5 x 10<sup>-5</sup> 1° F  
 94HB\*  
 YES

\*Flammability Class / UL94 –Based on standard certification by our Resin Supplier, the material tested is an injection molded part at .062 mil thick. The resin used to make our extruded sheet passes at .062 mil thickness or greater. Primex sheet is not tested for flammability.

Note – finished sheet with inks and coatings must be tested to insure it will or will not pass the flammability class of 94HB.

\*\*Typical properties are not to be construed as specifications. As the conditions of use are beyond our control, Primex Plastics assumes no responsibility and expressly disclaims any liability for any use of this material. Information contained herein is believed to be true and accurate, however, is not guaranteed.