



14030 Gannet Street, Santa Fe Springs, CA 90670

Phone: (562) 921-0444 Fax: (562) 921-0034

## Material Data Sheet

**Material:** *Eporex® HIPS 825*  
**Generic:** *High Impact Polystyrene*  
**Manufacturer:** *Eternal Plastics Co., LTD*

<i>Property</i>	<i>Data</i>	<i>Units</i>	<i>ASTM</i>
<b>GENERAL</b>			
Ratings			
Features			
Form	Pellets		
Processing Method	Injection		
Uses			
<b>PHYSICAL</b>			
Melt Flow Rate	6	g/10 min	D-256
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955
<b>MECHANICAL</b>			
Flexural Modulus	2.9	psi x 10 <sup>5</sup>	D-790
Flexural Strength @ Yield	5.7	psi x 10 <sup>3</sup>	D-790
Tensile Modulus		psi x 10 <sup>5</sup>	D-790
Tensile Elongation	50	%	D-638
Tensile Strength @ Yield	3.7	psi x 10 <sup>3</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact 1/8 in.	2.02	ft-lb/in	D-256
<b>HARDNESS</b>			
Rockwell Hardness	64	M-Scale	D-785
<b>THERMAL</b>			
Vicat Softening Temp	208	°F	D-1525
HDT @264 psi-unannealed	176	°F	D-648
<b>FLAMMABILITY</b>			
Flame Rating - UL	HB		

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