



14030 Gannet Street, Santa Fe Springs, CA 90670  
Phone: (562) 921-0444 Fax: (562) 921-0034

## Material Data Sheet

**Material:** Eporex® 525  
**Generic:** General Purpose Polystyrene  
**Manufacturer:** Eternal Plastics Co., LTD

<b>Property</b>	<b>Data</b>	<b>Units</b>	<b>ASTM</b>
<b>GENERAL</b>			
Ratings			
Features			
Form	Pellets		
Processing Method	Injection		
Uses			
<b>PHYSICAL</b>			
Melt Flow Rate	9.2	g/10 min	D-256
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955
<b>MECHANICAL</b>			
Flexural Modulus	4.3	psi x 10 <sup>5</sup>	D-790
Flexural Strength @ Yield	10.4	psi x 10 <sup>3</sup>	D-790
Tensile Modulus		psi x 10 <sup>5</sup>	D-790
Tensile Elongation	2.1	%	D-638
Tensile Strength @ Yield	6.4	psi x 10 <sup>3</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact 1/8 in.	0.3	ft-lb/in	D-256
<b>HARDNESS</b>			
Rockwell Hardness	68	L-Scale	D-785
<b>THERMAL</b>			
HDT @264 psi-unannealed	171	°F	D-648
<b>FLAMMABILITY</b>			
Flame Rating	HB		UL94

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