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## Material Data Sheet

**Material:** *Eporex® 550*  
**Generic:** *General Purpose Polystyrene*  
**Manufacturer:** *Eternal Plastics Co., LTD*

<i>Property</i>	<i>Data</i>	<i>Units</i>	<i>ASTM</i>
<b>GENERAL</b>			
Ratings			
Features	High Heat		
Form	Pellets		
Processing Method	Injection		
Uses			
<b>PHYSICAL</b>			
Melt Flow Rate	4.0	g/10 min	D-256
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955
<b>MECHANICAL</b>			
Flexural Modulus	4.5	psi x 10 <sup>5</sup>	D-790
Flexural Strength @ Yield	13.3	psi x 10 <sup>3</sup>	D-790
Tensile Modulus		psi x 10 <sup>5</sup>	D-790
Tensile Elongation	2.2	%	D-638
Tensile Strength @ Yield	7.8	psi x 10 <sup>3</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact 1/8 in.	0.31	ft-lb/in	D-256
<b>HARDNESS</b>			
Rockwell Hardness	65	L-Scale	D-785
<b>THERMAL</b>			
HDT @264 psi-unannealed	183	°F	D-648
<b>FLAMMABILITY</b>			
Flame Rating	HB		UL94

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