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## Material Data Sheet

**Material:** *Eporex® 555*  
**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	Enhanced Molecular Weight		
Form	Pellets		
Processing Method	Injection/Extrusion		
Uses			
<b>PHYSICAL</b>			
Melt Flow Rate	2.0	g/10 min	D-1238
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955
<b>MECHANICAL</b>			
Flexural Modulus	4.7	psi x 10 <sup>5</sup>	D-790
Flexural Strength @ Yield	14.2	psi x 10 <sup>3</sup>	D-790
Tensile Elongation	2.3	%	D-638
Tensile Strength @ Yield	7.8	psi x 10 <sup>3</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact 1/8 in.	0.4	ft-lb/in	D-256
<b>HARDNESS</b>			
Rockwell Hardness	63	M-Scale	D-785
<b>Thermal</b>			
HDT @264 psi-unannealed	185	°F	D-648
Vicat Softening Point	185	°F	D-1525
<b>FLAMMABILITY</b>			
Flame Rating	HB		UL94

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