

Material Data Sheet

Material: Eporex® HIPS 827
Generic: High Impact Polystyrene
Manufacturer: Eternal Plastics Co., LTD

Property	Data	Units	ASTM
GENERAL			
Ratings			
Features			

Form	Pellets		
Processing Method	Injection		
Uses			

PHYSICAL

Melt Flow Rate	8	g/10 min	D-256
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955

MECHANICAL

Flexural Modulus	2.9	psi x 10 ⁵	D-790
Flexural Strength @ Yield	5.7	psi x 10 ³	D-790
Tensile Modulus		psi x 10 ⁵	D-790
Tensile Elongation	60	%	D-638
Tensile Strength @ Yield	3.3	psi x 10 ³	D-638

IMPACT

Notched Izod Impact 1/8 in.	2.02	ft-lb/in	D-256
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HARDNESS

Rockwell Hardness	64	M-Scale	D-785
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THERMAL

HDT @264 psi-unannealed	176	°F	D-648
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FLAMMABILITY

Flame Rating - UL	HB		
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