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Material Data Sheet

Material: *Eporex® HIPS 860*
Generic: *High Impact Polystyrene*
Manufacturer: *Eternal Plastics Co., LTD*

Property	Data	Units	ASTM
GENERAL			
Ratings			
Features	High Gloss		
Form	Pellets		
Processing Method	Injection		
Uses			
PHYSICAL			
Melt Flow Rate	6	g/10 min	D-256
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955
MECHANICAL			
Flexural Modulus	3.3	psi x 10 ⁵	D-790
Flexural Strength @ Yield	6.4	psi x 10 ³	D-790
Tensile Modulus		psi x 10 ⁵	D-790
Tensile Elongation	30	%	D-638
Tensile Strength @ Yield	5	psi x 10 ³	D-638
IMPACT			
Notched Izod Impact 1/8 in.	1.62	ft-lb/in	D-256
HARDNESS			
Rockwell Hardness	75	M-Scale	D-785
THERMAL			
HDT @264 psi-unannealed	180	°F	D-648
FLAMMABILITY			
Flame Rating - UL	HB		

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