



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

Material Data Sheet

Material: Eporex® HIPS 830
Generic: High Impact Polystyrene
Manufacturer: Eternal Plastics Co., LTD

Property	Data	Units	ASTM
GENERAL			
Ratings			
Features			
Form	Pellets		
Processing Method	Extrusion		
Uses			
PHYSICAL			
Melt Flow Rate	2.5	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	5.4	psi x 10 ³	D-790
Tensile Modulus		psi x 10 ⁵	D-790
Tensile Elongation	45	%	D-638
Tensile Strength @ Yield	3.6	psi x 10 ³	D-638
IMPACT			
Notched Izod Impact 1/8 in.	2.94	ft-lb/in	D-256
HARDNESS			
Rockwell Hardness	58	M-Scale	D-785
THERMAL			
HDT @264 psi-unannealed	178	°F	D-648
FLAMMABILITY			
Flame Rating - UL	HB		

THE ABOVE DATA IS TO BE USED SOLELY AS AN APPROXIMATE GUIDELINE AND IS SUBJECT TO CHANGE WITHOUT NOTICE. SOUTHLAND POLYMERS INC. ASSUMES NO LIABILITY FOR THE ACCURACY, COMPLETENESS, OR VALIDITY OF INFORMATION CONTAINED HEREIN. MATERIAL APPLICATION, PERFORMANCE, AND SUITABILITY MUST BE DETERMINED INDEPENDENTLY BY THE END USER. ALL PRODUCT TRADEMARKS USED ARE PROPERTY OF THEIR RESPECTIVE OWNERS. PLEASE CONTACT YOUR ACCOUNT MANAGER OR SOUTHLAND POLYMERS TECHNICAL SUPPORT FOR ALL QUESTIONS REGARDING OUR PRODUCTS.