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Material Data Sheet

Material: *Eporex® 500*
Generic: *General Purpose Polystyrene*
Manufacturer: *Eternal Plastics Co., LTD*

Property	Data	Units	ASTM
GENERAL			
Features	High Flow		
Form	Pellets		
Processing Method	Injection		
Uses			
PHYSICAL			
Melt Flow Rate	20	g/10 min	D-256
Specific Gravity	1.05		D-792
Mold Shrinkage		%	D-955
MECHANICAL			
Flexural Modulus	455000	psi	D-790
Flexural Strength @ Yield	10100	psi	D-790
Tensile Elongation	2.0	%	D-638
Tensile Strength @ Yield	5950	psi	D-638
IMPACT			
Notched Izod Impact 1/8 in.	0.3	ft-lb/in	D-256
HARDNESS			
Rockwell Hardness	69	M-Scale	D-785
THERMAL			
HDT @264 psi-unannealed	167	°F	D-648
FLAMMABILITY			
Flame Rating	HB		UL94

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