

# Eporex® 550

General Purpose Polystyrene

Eternal Plastics Co., Ltd.

## Message:

Eporex® 550 is a General Purpose Polystyrene material. It is available in North America for injection molding. Primary attribute of Eporex® 550: Flame Rated.

General Information			
Features	General Purpose		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	0.0538	MPa	ASTM D638
Tensile Elongation (Yield)	2.2	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength (Yield)	91.7	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.9	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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## Recommended distributors for this material

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