

# Eporex® 555

General Purpose Polystyrene

Eternal Plastics Co., Ltd.

## Message:

Eporex® 555 is a General Purpose Polystyrene material. It is available in North America for extrusion or injection molding. Primary attribute of Eporex® 555: Flame Rated.

General Information			
Features	General Purpose		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	2.0	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	63		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	0.0538	MPa	ASTM D638
Tensile Elongation (Yield)	2.3	%	ASTM D638
Flexural Modulus	3240	MPa	ASTM D790
Flexural Strength (Yield)	97.9	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	21	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	85.0	°C	ASTM D1525

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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Recommended distributors for this material

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