

# Taitarex® 866NM / BM

General Purpose Polystyrene

Taita Chemical Company, Ltd.

## Message:

Taitarex® 866NM / BM is a General Purpose Polystyrene material. It is available in Asia Pacific or North America for injection molding.

Important attributes of Taitarex® 866NM / BM are:

Flame Rated

Clarity

Good Dimensional Stability

Good Processability

Heat Resistant

Typical applications include:

Appliances

Consumer Goods

Electrical/Electronic Applications

Household Applications

General Information			
Features	General Purpose Good Dimensional Stability Good Processability High Clarity High Heat Resistance Low Residuals		
Uses	Appliances Audio Tapes General Purpose Household Goods Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D542
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.8	g/10 min	ASTM D1238
Residual SM Monomer	300	ppm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	49.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C, 3.18 mm)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>1</sup> (23°C)	14	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature <sup>2</sup>	100	°C	ASTM D1525 <sup>3</sup>
Flammability	Nominal Value		Test Method

Flame Rating (1.59 mm)	HB	UL 94
Optical	Nominal Value	Unit
Haze (2800 μm)	0.40	%
NOTE		
1.	1/4"x1/2"x5/2"	
2.	3 mm thick	
3.	Rate B (120°C/h), Loading 1 (10 N)	

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**Recommended distributors for this material**

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

