

Taitarex® 866N / B

General Purpose Polystyrene

Taita Chemical Company, Ltd.

Message:

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

Important attributes of Taitarex® 866N / B are:

Flame Rated

Clarity

Good Processability

Heat Resistant

Typical applications include:

Appliances

Electrical/Electronic Applications

Household Applications

Packaging

General Information			
UL YellowCard	E50263-538149		
Features	Good Electrical Properties		
	Good Processability		
	Good Thermal Stability		
	Medium Clarity		
Uses	Appliances		
	Audio Tapes		
	Household Goods		
	Media Packaging		
UL File Number	E50263		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.18 mm)	44.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	14	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ³	100	°C	ASTM D1525 ⁴
Flammability	Nominal Value	Test Method	
Flame Rating (1.59 mm)	HB	UL 94	

Optical	Nominal Value	Unit
Haze (2.80 mm)	0.40	%
Residual Monomer - SM	< 200	ppm
NOTE		
1.	5.0 mm/min	
2.	1/4"x1/2"x5/2"	
3.	3 mm thick	
4.	Rate B (120°C/h), Loading 1 (10 N)	

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Recommended distributors for this material

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