

Taitarex® 861D

General Purpose Polystyrene

Taita Chemical Company, Ltd.

Message:

Taitarex® 861D is a General Purpose Polystyrene material. It is available in Asia Pacific or North America for injection molding.

Important attributes of Taitarex® 861D are:

Flame Rated

Clarity

Good Processability

Heat Resistant

Typical applications include:

Appliances

Coating Applications

Consumer Goods

Electrical/Electronic Applications

Household Applications

General Information			
Features	General Purpose		
	Good Processability		
	Good Thermal Stability		
	Low Residuals		
	Medium Clarity		
Uses	Appliances		
	Audio Tapes		
	Household Goods		
	Protective Coverings		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D542
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ASTM D1238
Residual SM Monomer	300	ppm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	> 41.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C, 3.18 mm)	> 1.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹ (23°C)	> 14	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ²	107	°C	ASTM D1525 ³
Flammability	Nominal Value	Test Method	
Flame Rating (1.59 mm)	HB	UL 94	

Optical	Nominal Value	Unit
Haze (2800 μm)	< 1.0	%
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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