

Taitarex® 666

High Impact Polystyrene

Taita Chemical Company, Ltd.

Message:

Taitarex® 666 is a High Impact Polystyrene material. It is available in Asia Pacific or North America for injection molding.

Important attributes of Taitarex® 666 are:

Flame Rated

Good Processability

High Flow

Impact Resistant

Typical applications include:

Appliances

Business/Office Goods

General Information			
UL YellowCard	E50263-538146		
Features	Good Color Stability		
	Good Processability		
	High Flow		
	Ultra High Impact Resistance		
Uses	Appliances		
	Stationary Supplies		
UL File Number	E50263		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D542
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.18 mm)	26.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C, 3.18 mm)	45	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C ²	78	J/m	
23°C ³	88	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ⁴	99.0	°C	ASTM D1525 ⁵
Flammability	Nominal Value	Test Method	
Flame Rating (1.59 mm)	HB	UL 94	
Optical	Nominal Value	Unit	
Yellowness Index	-3.0	YI	

Additional Information	Nominal Value	Unit
Residual Monomer - SM	< 600	ppm
Injection	Nominal Value	Unit
Rear Temperature	160 to 280	°C
Middle Temperature	160 to 280	°C
Front Temperature	160 to 280	°C
Mold Temperature	35.0 to 65.0	°C
Injection Pressure	49.0 to 137	MPa
NOTE		
1.	5.0 mm/min	
2.	1/4"x1/2"x5/2"	
3.	1/8"x1/2"x5/2"	
4.	3 mm thick	
5.	Rate B (120°C/h), Loading 1 (10 N)	

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Recommended distributors for this material

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