

Taitarex® 808

General Purpose Polystyrene

Taita Chemical Company, Ltd.

Message:

Taitarex® 808 is a General Purpose Polystyrene material. It is available in Asia Pacific or North America.

Important attributes of Taitarex® 808 are:

Flame Rated

Clarity

Good Aesthetics

Good Processability

Heat Resistant

Typical application of Taitarex® 808 : Lighting Applications

General Information			
UL YellowCard	E50263-100026526		
Features	Good Processability		
	Medium Clarity		
	Medium Heat Resistance		
	Moisture Resistant		
	Opticals		
Uses	Lighting Diffusers		
UL File Number	E50263		
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)	1.9	g/10 min	ASTM D1238
Residual SM Monomer	< 300	ppm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	54.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C, 3.18 mm)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹ (23°C)	16	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 12.7 mm)	95.0	°C	ASTM D648
Vicat Softening Temperature ²	108	°C	ASTM D1525 ³
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Haze (2800 μm)	0.35	%	ASTM D1003
NOTE			
1.	1/4"x1/2"x5/2"		
2.	3 mm thick		

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