

MarkeTech Sodium Iodide:Thallium (NaI:TI) Scintillator Crystal

Category : Ceramic , Halide

Material Notes:

Sodium iodide activated by thallium has long been the scintillation standard. NaI:TI has good performance, economical price, high luminescence efficiency, very good spectroscopic performance and no significant self absorption of the scintillated light. Data provided by the supplier, MarkeTech International.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MarkeTech-Sodium-IodideThallium-NaITl-Scintillator-Crystal.php

Physical Properties	Metric	English	Comments
Density	3.67 g/cc	0.133 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	2.0	2.0	

Thermal Properties	Metric	English	Comments
CTE, linear	47.5 Åµm/m-Å°C	26.4 Åµin/in-Å°F	
Melting Point	651 Å°C	1200 Å°F	

Descriptive Properties	Value	Comments
Crystal Structure	Cubic	
Hydroscopic?	Yes	
Luminescence: Afterglow	0.5-5 %	at 6 ms
Luminescence: Decay Constant	230 n/s	
Luminescence: Photon Yield	38	300K; 10 ^{<sup>3</sup>} pH/MeV
Luminescence: Radiation Length	2.9 cm	
Luminescence: Wavelength of max emissions	415 nm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China