

MarkeTech NB:WO (Sodium Bismuth Tungstate, NaBi(WO₄)₂) Scintillator Crystal

Category : Ceramic , Oxide

Material Notes:

Double tungstate of sodium and bismuth NaBi(WO₄)₂ (NBWO) is also a new "heavy", "fast" and optically dense oxide single crystal. Is used as a Cherenkov radiator. Data provided by the supplier, MarkeTech International.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MarkeTech-NBWO-Sodium-Bismuth-Tungstate-NaBiWO42-Scintillator-Crystal.php

Physical Properties	Metric	English	Comments
Density	7.57 g/cc	0.273 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	6.0	6.0	

Descriptive Properties	Value	Comments
Hydroscopic?	No	
Luminescence: Decay Constant	20 n/s	
Luminescence: Radiation Length	0.98 cm	
Luminescence: Wavelength of max emissions	540 nm	

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