BC-505
Liquid Scintillator

BC-505 is formulated to provide the best overall performance of any liquid scintillator. It has the highest light output of any liquid and excellent light transmission. Its high flash point (making it safer to use and transport than xylene or toluene based scintillators) renders it particularly suitable for use in large volume detectors such as anti-Compton and anti-coincidence shields and high energy neutron detectors.

General Technical Data –

Density (20°C)	0.877 g/cc
Refractive Index	1.505
Flash Point	48°C

Scintillation Properties –

Light Output, %Anthracene	80
Wavelength of Maximum Emission, nm	425
Decay Time, ns	2.5

Atomic Composition –

No. of H Atoms per cc	5.36×10^{22}
No. of C Atoms per cc	4.03×10^{22}
Ratio of H:C Atoms	1.331
No. of Electrons per cc	2.95×10^{23}

SAINT-GOBAIN
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Scintillation Products
Organic Scintillators

SAINT-GOBAIN
CRYSTALS

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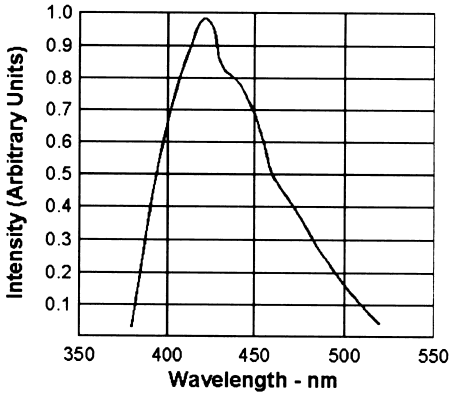
Emission Spectrum –



Manufacturer reserves the right to alter specifications.