

Solvay Luminostar[®],ç Green A Phosphor

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Identification: Lanthanum Cerium Terbium Phosphate coprecipitate
 Formula: (LaxCeyTbz) PO4
 Main characteristics: Good homogeneity ensured by proprietary coprecipitation process, Stability and High reactivity with flux during phosphor manufacture thanks to fine tuned morphology.
 CAS: 13778-59-1, 13454-71-2, 13863-48-4
 Main Application: Phosphor for trichromatic fluorescent lamps.
 Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Luminostar-Green-A-Phosphor.php

Physical Properties	Metric	English	Comments
Loss On Ignition	<= 1.0 % @Temperature 950 Â°C, Time 3600 sec	<= 1.0 % @Temperature 1740 Â°F, Time 1.00 hour	
Particle Size	4.5 - 5.5 Âµm	4.5 - 5.5 Âµm	D50

Component Elements Properties	Metric	English	Comments
CeO2	19 - 22 %	19 - 22 %	as is basis
	29 - 31 %	29 - 31 %	Rare Earth Oxides basis
P2O5	30 - 33 %	30 - 33 %	

Descriptive Properties	Value	Comments
Appearance	White powder	
Chemical Characteristics	(La, Ce, Tb) oxides	>99.99%, Rare Earth Oxides basis
	CaO	<10 ppm
	Cl	<20 ppm
	Fe ₂ O ₃	<15 ppm
	La ₂ O ₃	36-40%, as is basis
	La ₂ O ₃	54-56%, Rare Earth Oxides basis
	Tb ₄ O ₇	9.5-11%, as is basis
	Tb ₄ O ₇	14.5-15.5%, Rare Earth Oxides basis

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