

PC Retardant DR-S15

Inovia DR-S15 is a new flame retardant designed for polycarbonate plastic, especially for thin PC products (less than 2mm). It doesn't contain halogen, nor needs PTFE anti-dripping agent to reach UL V0. It is the first case in the world that can afford PC UL 94 V0 at a thickness from 0.1 to 1.6mm while the optical properties of PC remain intact.

Physical Data

Item	Data
Phosphors content	7.5~7.9wt.%
Sulfur content	8.0~8.4wt.%
Appearance	White powder
Thermally stable temperature	>320°C

Recommended Usage

Loading level	UL 94 rating
2~5%	V0@0.1~1.6mm

Processing

DR-S15 flame retardant or its masterbatch MB-PC10C (10%) can be supplied. Adding the flame retardant will increase the melting index significantly, therefore, the processing temperature will need to be lowered accordingly, by around 20~30°C. The plastic or masterbatch will need to be completely dried and the machine needs to be thoroughly cleaned, for ionic liquids has superior cleaning capacity.

Packaging

20kg/barrel. Samples can be packed as required.

*The data recommended in this document can be used as a reference for various purposes. There will also be some amendments along with new technical improvements. Therefore, when designing the product, the use environment and structure of the product should be fully considered, and whether the product has any problems should be judged by the design company itself.