

Technical Data Sheet

LED-258

Photoinitiated LED Extender for Paper



Product Description

LED-258 is recommended as an “all-in-one” extender vehicle for LED-curable lithographic inks. LED-258 exhibits high performance, excellent litho properties and fast cure. LED-258 is formulated with a unique, very potent, LED specific P.I. package. Depending on the press setup, additional P.I. maybe needed. Variables such as lamp wattage, press speed, the distance of the gap between lamp and substrate, all can affect LED cure. If needed use LED-256/LED-257 LED Photoinitiators. Typical applications include paper and paperboard substrates. For additional information regarding formulary assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response
- Excellent litho properties
- Excellent printability

Physical Properties

- Viscosity 1000 - 1400 Poise (TA Rheometer)
- Tack 14.5 – 16.5 @ 800 rpm/1 minute
- Specific Gravity 1.16
- Solids > 99%

End Use Considerations

LED-200 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV overprint varnishes may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

****As a precaution, reduce the exposure of any light, especially fluorescent light, to LED products, as prolonged exposure can cause polymerization and reduced shelf life.**

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time. When in use, keep covered as much as possible. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Material Safety Data Sheet (MSDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the MSDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

FOR YOUR PROTECTION:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of KUSTOM SERVICES, INC., and users should make their own tests to determine the suitability of this product for their own particular purposes. However, because of numerous factors affecting results, KUSTOM SERVICES, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for particular purpose, other than that the material conforms to its applicable current Standard Specifications. Standard Specifications, although current at the time of publication, are subject to change without notice. Please refer to the SDS for additional information. DATE REVISED: 12/05/2018